

10/629, 108

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FILE 'HOME' ENTERED AT 08:42:49 ON 14 NOV 2005

=> file req

10/629,108

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:42:56 ON 14 NOV 2005
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STRUCTURE FILE UPDATES: 13 NOV 2005 HIGHEST RN 867336-65-0
DICTIONARY FILE UPDATES: 13 NOV 2005 HIGHEST RN 867336-65-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

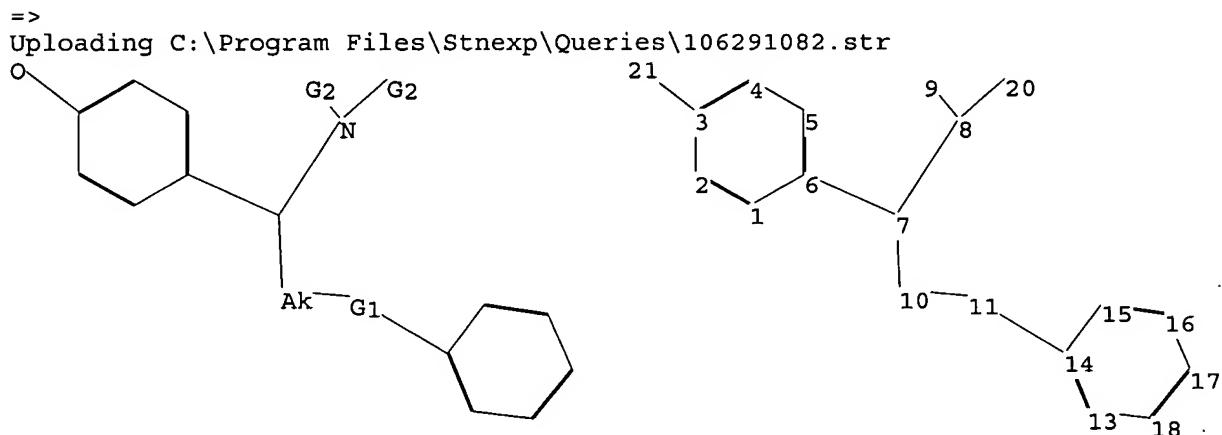
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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

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10/629,108

ring nodes :
1 2 3 4 5 6 13 14 15 16 17 18
chain bonds :
3-21 6-7 7-8 7-10 8-9 8-20 10-11 11-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18
exact/norm bonds :
3-21 7-8 7-10 8-9 8-20 10-11 11-14
exact bonds :
6-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18
isolated ring systems :
containing 1 : 13 :

G1:O,S,N

G2:H,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 20:CLASS 21:CLASS

L1 STRUCTURE UPLOADED

=> s 11
SAMPLE SEARCH INITIATED 08:43:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 31774 TO ITERATE

6.3% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 624826 TO 646134
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 ful
FULL SEARCH INITIATED 08:43:24 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 636510 TO ITERATE

100.0% PROCESSED 636510 ITERATIONS 505 ANSWERS
SEARCH TIME: 00.00.13

L3 505 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
162.19 162.40

FILE 'CAPLUS' ENTERED AT 08:44:42 ON 14 NOV 2005

10/629,108

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FILE COVERS 1907 - 14 Nov 2005 VOL 143 ISS 21
FILE LAST UPDATED: 13 Nov 2005 (20051113/ED)

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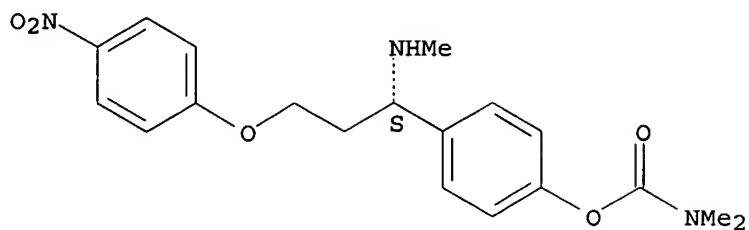
<http://www.cas.org/infopolicy.html>

=> s 13
L4 88 L3

=> d 14 ibib hitstr abs 1-88

L4 ANSWER 3 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:363458 CAPLUS
DOCUMENT NUMBER: 143:52916
TITLE: Conformational analysis and docking study of potent acetylcholinesterase inhibitors having a benzylamine moiety
AUTHOR(S): Toda, Narihiro; Iwata, Yoriko; Tago, Keiko; Kogen, Hiroshi; Kaneko, Tsugio; Miyamoto, Shuichi
CORPORATE SOURCE: Exploratory Chemistry Research Laboratories, Sankyo Co., Ltd., Tokyo, 140-8710, Japan
SOURCE: Chem-Bio Informatics Journal (2003), 3(2), 46-57
CODEN: CIJHBB; ISSN: 1347-0442
URL: http://www.cbi.or.jp/cbi/CBIj/vol3/3_46-E.pdf
PUBLISHER: Chem-Bio Informatics Society
DOCUMENT TYPE: Journal; (online computer file)
LANGUAGE: English
IT 444644-93-3 444644-96-6 444645-11-8
444645-12-9 854098-40-1 854098-42-3
854098-44-5 854098-46-7
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conformational anal. and docking study of potent acetylcholinesterase inhibitors having benzyl moiety showed reasonable inhibition potency for two stereoisomers with 7-membered ring in vitro)
RN 444644-93-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

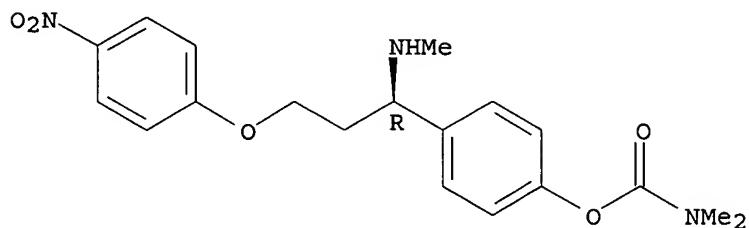


● HCl

RN 444644-96-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

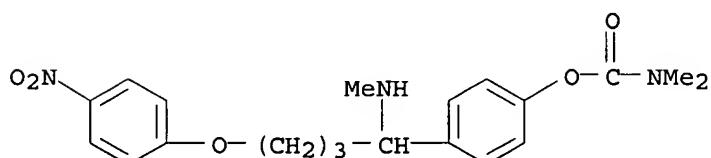
Absolute stereochemistry.



● HCl

RN 444645-11-8 CAPLUS

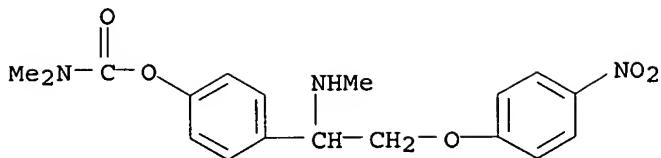
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● HCl

RN 444645-12-9 CAPLUS

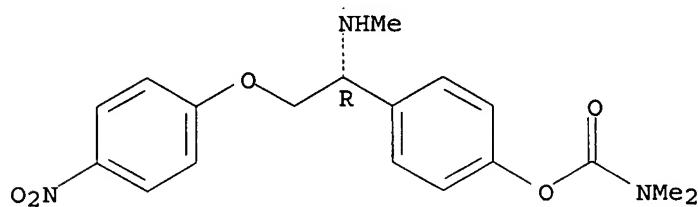
CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

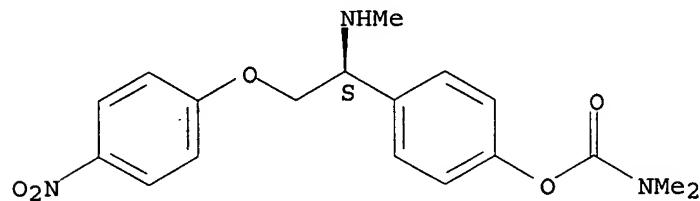
RN 854098-40-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



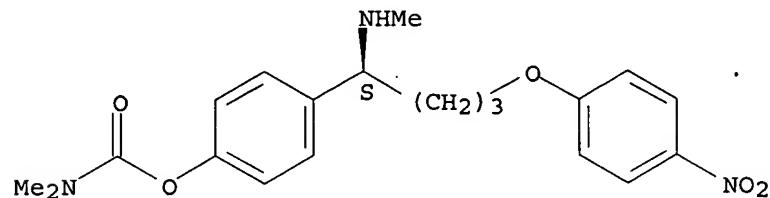
RN 854098-42-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 854098-44-5 CAPLUS
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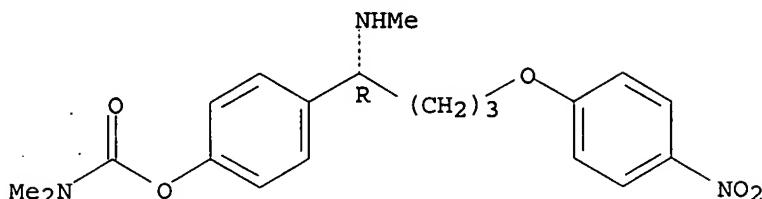
Absolute stereochemistry.



RN 854098-46-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-4-(4-

nitrophenoxy)butyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AB A conformational anal. and docking study of nitrophenoxyalkylbenzylamine derivs. with inhibitory activities against acetylcholinesterase was carried out in an attempt to analyze their structure-activity relationships based on the enzyme-inhibitor interaction. First, stable conformers of the inhibitors alone were obtained from the conformational anal. by mol. dynamics. Next, a docking study of the inhibitors into the ligand binding site was performed. Among the resulting stable complex structures, it was found that in the case of the two stereoisomers with a 7-membered ring, the more active one of the two formed a much more stable complex structure. On the other hand, complex structures with comparable energies were obtained for both stereoisomers that had no 7-membered ring and showed similar inhibitory activities. Lastly, structural features of the complex models of a series of inhibitors with side chains of different lengths were evaluated and corresponded well to their inhibitory activities.

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:259678 CAPLUS

DOCUMENT NUMBER: 142:341889

TITLE: Pharmaceuticals containing combinations of an acetylcholine esterase inhibitor and α -2- δ receptor ligands

INVENTOR(S): Field, Mark John; Williams, Richard Griffith

PATENT ASSIGNEE(S): UK

SOURCE: U.S. Pat. Appl. Publ., 25 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005065176	A1	20050324	US 2004-936416	20040908
WO 2005027975	A1	20050331	WO 2004-IB2981	20040908
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,				

SN, TD, TG

PRIORITY APPLN. INFO.:

GB 2003-22140

A 20030922

IT 444667-97-4, RS 1259

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceuticals containing combinations of acetylcholine esterase inhibitor and α -2-8 receptor ligands)

RN 444667-97-4 CAPLUS

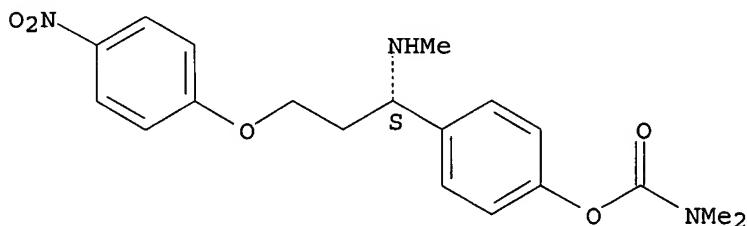
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 444667-96-3

CMF C19 H23 N3 O5

Absolute stereochemistry.

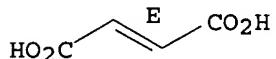


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



AB The instant invention relates to a combination of α -2-8 ligand and an AChE inhibitor for use in therapy, particularly in the treatment of pain, particularly neuropathic pain. Particularly preferred α -2-8 ligands are gabapentin and pregabalin. Particularly preferred AChE inhibitors are donepezil (Aricept), tacrine (Cognex), rivastigmine (Exelon), physostigmine (Synapton), galantamine (Reminyl), metrifonate (Promem), neostigmine (Prostigmin) and icopezil. Thus pessary compns. contained the above ingredient 250, anhydrous dextrose 380, potato starch 363, and Mg stearate 7 mg. The preparation of some of the compds. is given.

L4 ANSWER 5 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:136555 CAPLUS

DOCUMENT NUMBER: 142:212407

TITLE: Selective serotonin reuptake inhibitors for the treatment of premature female orgasm

INVENTOR(S): May, Kathryn Elizabeth; Quinn, Paul

PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

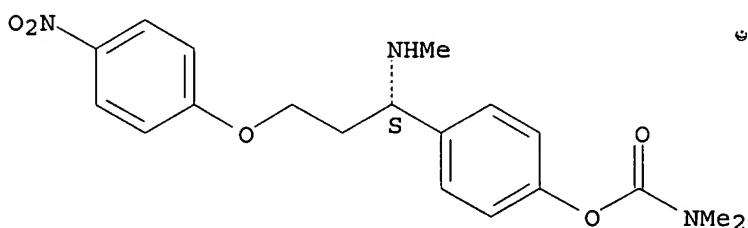
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005013984	A1	20050217	WO 2004-IB2524	20040727
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005054688	A1	20050310	US 2004-911806	20040805
PRIORITY APPLN. INFO.:			GB 2003-18706	A 20030808
			US 2003-528136P	P 20031209

IT 444667-97-4, RS-1259
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (compns. of selective serotonin reuptake inhibitors for treatment of
 premature female orgasm)
 RN 444667-97-4 CAPLUS
 CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-
 nitrophenoxy)propyl]phenyl ester, (2E)-2-butenedioate (2:1) (9CI) (CA
 INDEX NAME)

CM 1

CRN 444667-96-3
 CMF C19 H23 N3 O5

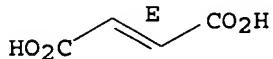
Absolute stereochemistry.



CM 2

CRN 110-17-8
 CMF C4 H4 O4

Double bond geometry as shown.



AB The present invention provides selective serotonin reuptake inhibitors (SSRIs) and their use in the preparation of a medicament for the treatment or prevention of premature female orgasm. For example, a tablet formulation contained SSRI compound 10.0%, lactose 64.125%, starch 21.375%, Croscarmellose sodium 3.0%, and magnesium stearate 1.5%.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:781444 CAPLUS

DOCUMENT NUMBER: 140:192823

TITLE: Pharmacological characterization of RS-1259, an orally active dual inhibitor of acetylcholinesterase and serotonin transporter, in rodents: Possible treatment of Alzheimer's disease

AUTHOR(S): Abe, Yasuyuki; Aoyagi, Atsushi; Hara, Takao; Abe, Kazumi; Yamazaki, Reina; Kumagae, Yoshihiro; Naruto, Shunji; Koyama, Kazuo; Marumoto, Shinji; Tago, Keiko; Toda, Narihiro; Takami, Kazuko; Yamada, Naho; Ori, Mayuko; Kogen, Hiroshi; Kaneko, Tsugio

CORPORATE SOURCE: Neuroscience and Immunology Research Laboratories, Sankyo Co., Ltd., Tokyo, 140-8710, Japan

SOURCE: Journal of Pharmacological Sciences (Tokyo, Japan) (2003), 93(1), 95-105

CODEN: JPSTGJ; ISSN: 1347-8613

PUBLISHER: Japanese Pharmacological Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 444667-97-4, RS 1259

RL: ADV (Adverse effect, including toxicity); DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacol. characterization of RS-1259, dual inhibitor of acetylcholinesterase and serotonin transporter, in comparison with other inhibitors in rats and possible treatment of Alzheimer's disease)

RN 444667-97-4 CAPLUS

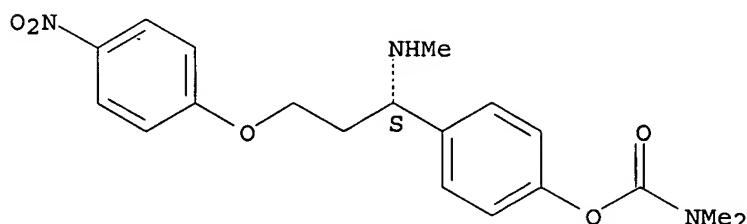
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 444667-96-3

CMF C19 H23 N3 O5

Absolute stereochemistry.

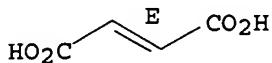


10/629,108

CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



AB A dual inhibitor of acetylcholinesterase (AChE) and serotonin transporter (SERT), RS-1259, was newly synthesized. RS-1259 simultaneously inhibited AChE and SERT in the brain following an oral administration in mice and rats. Actual simultaneous elevation of extra-cellular levels of 5-HT and ACh in the rat hippocampus was confirmed by microdialysis. The compound was as effective as SERT inhibitors such as fluoxetine and fluvoxamine in a 5-hydroxytryptophan-enhancing test in mice. Spatial memory deficits in the two-platform task of a water maze in aged rats were ameliorated by RS-1259 as well as donepezil. Both RS-1259 and donepezil increased the awake episodes in the daytime EEG of rats. Although RS-1259 was weaker than donepezil in enhancing central cholinergic transmission, as observed by ACh elevation in the hippocampus and memory enhancement in aged rats, the efficacy of RS-1259 on the consciousness level, which reflects the whole activity in the brain, was almost the same as that of donepezil. These results suggest that both cholinergic and serotonergic systems are involved in maintaining brain arousal and that a dual inhibitor of AChE and SERT may be useful for the treatment of cognitive disorders associated with reduced brain activity such as in Alzheimer's disease.

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 23 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:251390 CAPLUS
DOCUMENT NUMBER: 139:173164
TITLE: Design, synthesis and structure-Activity relationships of dual inhibitors of acetylcholinesterase and serotonin transporter as potential agents for Alzheimer's disease
AUTHOR(S): Toda, Narihiro; Tago, Keiko; Marumoto, Shinji; Takami, Kazuko; Ori, Mayuko; Yamada, Naho; Koyama, Kazuo; Naruto, Shunji; Abe, Kazumi; Yamazaki, Reina; Hara, Takao; Aoyagi, Atsushi; Abe, Yasuyuki; Kaneko, Tsugio; Kogen, Hiroshi
CORPORATE SOURCE: Exploratory Chemistry Research Laboratories, Sankyo Co., Ltd., Shinagawa-ku, Tokyo, 140-8710, Japan
SOURCE: Bioorganic & Medicinal Chemistry (2003), 11(9), 1935-1955
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:173164
IT 444644-13-7P 444644-14-8P 444644-15-9P
444644-26-2P 444644-36-4P 444644-44-4P
444644-49-9P 444644-52-4P 444644-62-6P
444644-63-7P 444644-85-3P 444645-11-8P
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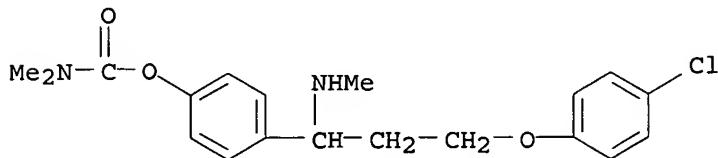
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 578730-21-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(design, synthesis and structure-Activity relationships of dual inhibitors of acetylcholinesterase and serotonin transporter as potential agents for Alzheimer's disease)

RN 444644-13-7 CAPLUS

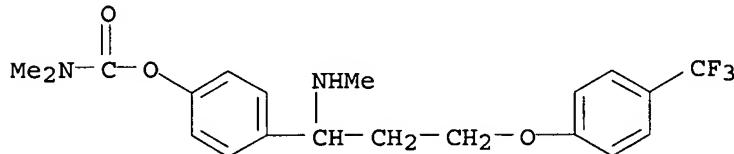
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● HCl

RN 444644-14-8 CAPLUS

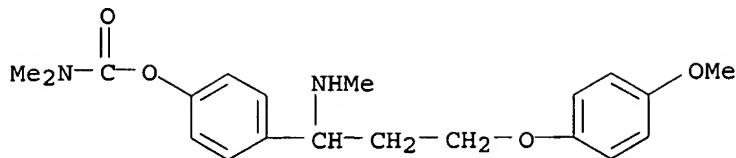
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[4-(trifluoromethyl)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-15-9 CAPLUS

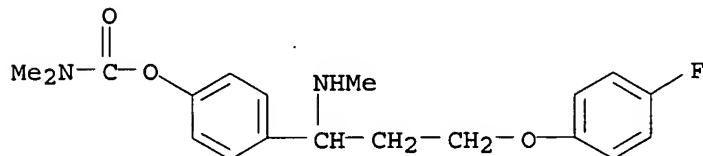
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● HCl

RN 444644-26-2 CAPLUS

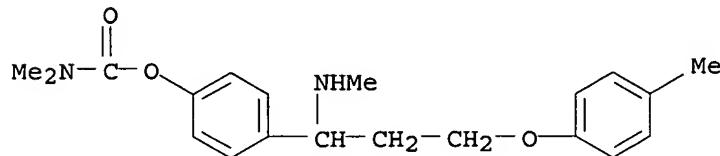
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● HCl

RN 444644-36-4 CAPLUS

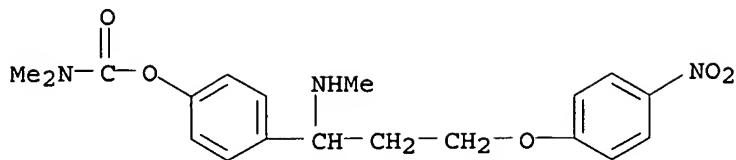
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-methylphenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

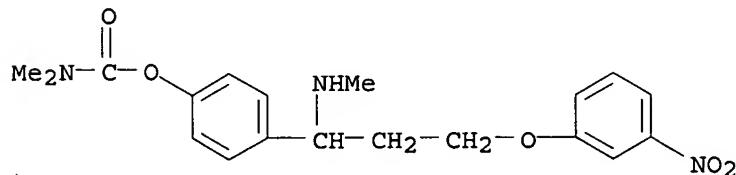
RN 444644-44-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



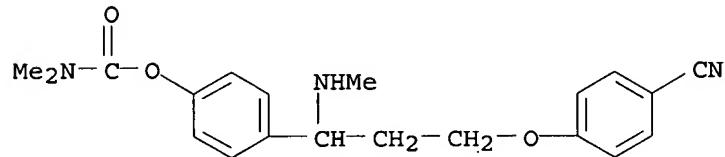
● HCl

RN 444644-49-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



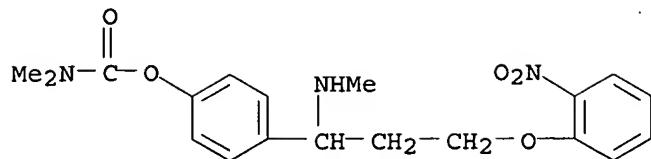
● HCl

RN 444644-52-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-cyanophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

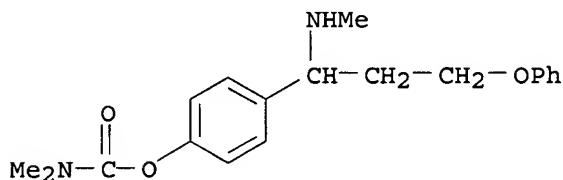
RN 444644-62-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(2-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-63-7 CAPLUS

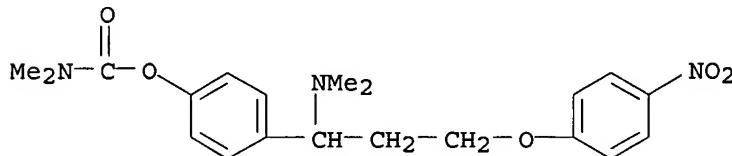
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-phenoxypropyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-85-3 CAPLUS

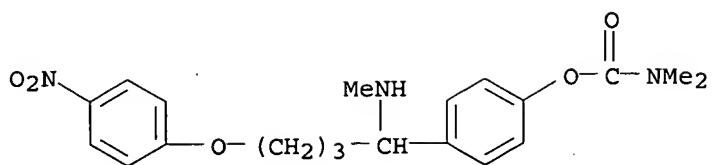
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

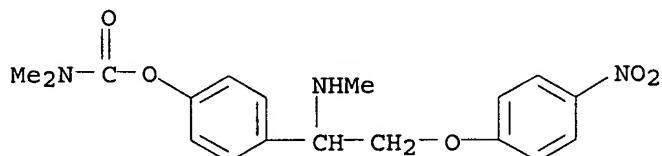
RN 444645-11-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-4-(4-nitrophenoxy)butyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



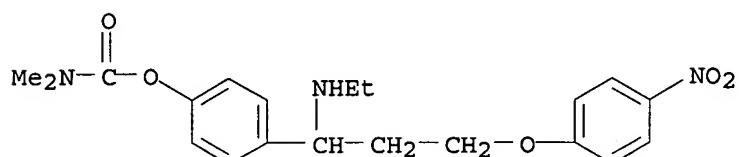
● HCl

RN 444645-12-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



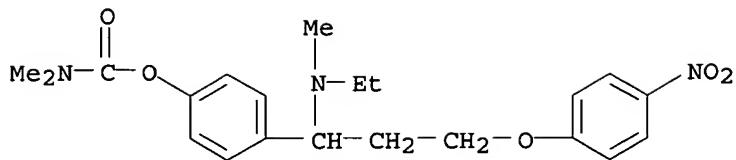
● HCl

RN 444645-31-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



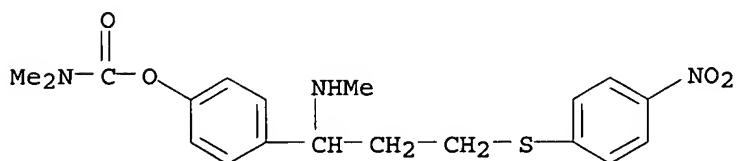
● HCl

RN 444645-32-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylmethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

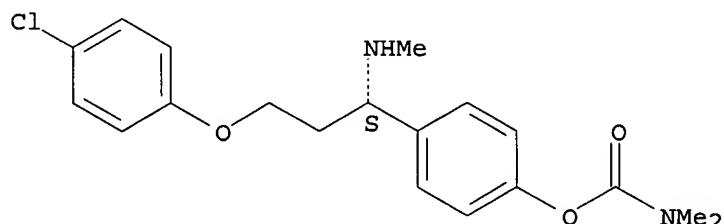
RN 444645-47-0 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)thio]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

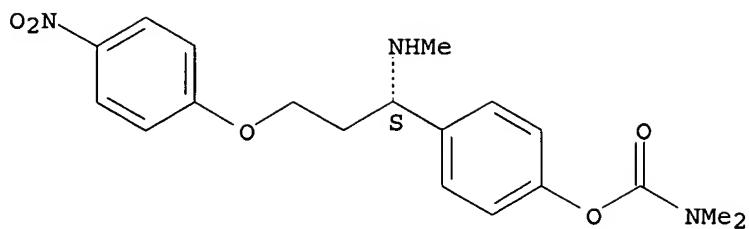
RN 444645-58-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 444667-96-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

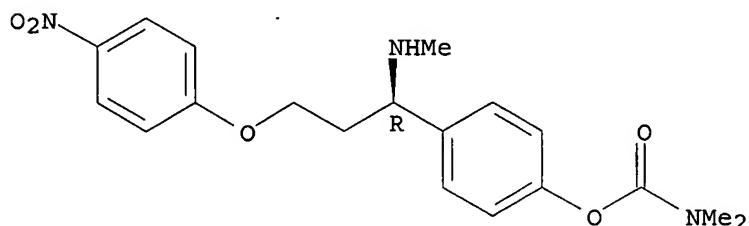
Absolute stereochemistry.



RN 474295-89-1 CAPLUS

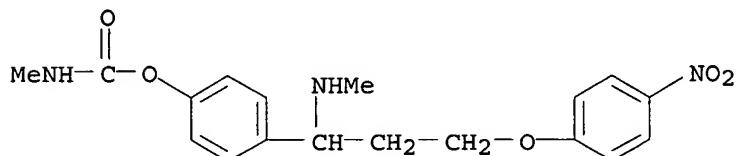
CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 578729-98-3 CAPLUS

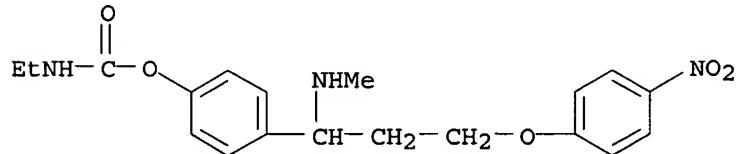
CN Phenol, 4-[(1-(methylamino)-3-(4-nitrophenoxy)propyl)-, methylcarbamate (ester), monohydrochloride (9CI) (CA INDEX NAME)



● HCl

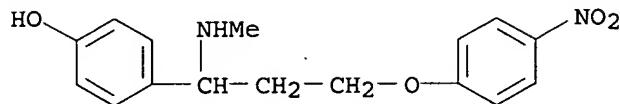
RN 578729-99-4 CAPLUS

CN Carbamic acid, ethyl-, 4-[(1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

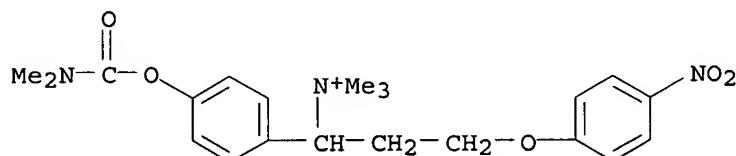


● HCl

RN 578730-00-4 CAPLUS
CN Phenol, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]- (9CI) (CA INDEX NAME)

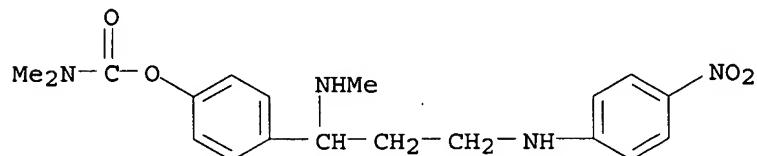


RN 578730-07-1 CAPLUS
CN Benzenemethanaminium, 4-[(dimethylamino)carbonyloxy]-N,N,N-trimethyl- α -[2-(4-nitrophenoxy)ethyl]-, iodide (9CI) (CA INDEX NAME)



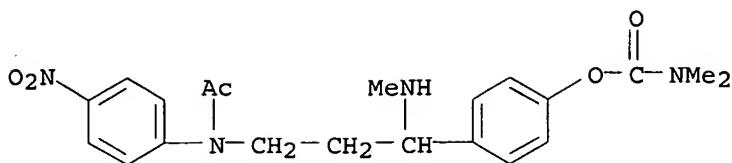
● I⁻

RN 578730-16-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenoxy)amino]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



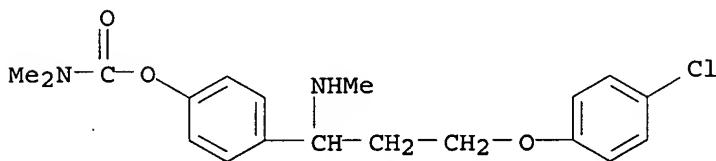
● HCl

RN 578730-17-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[acetyl(4-nitrophenoxy)amino]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



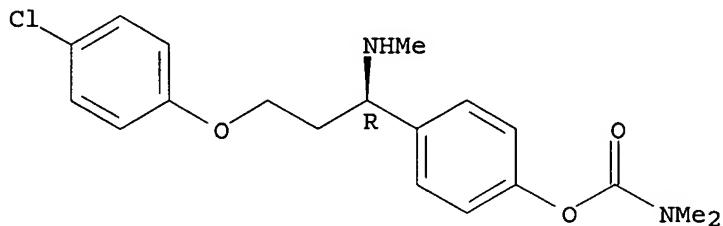
● HCl

RN 578730-19-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)

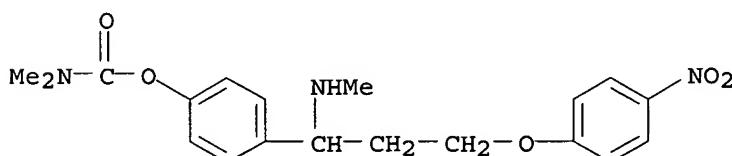


RN 578730-20-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1R)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 578730-21-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

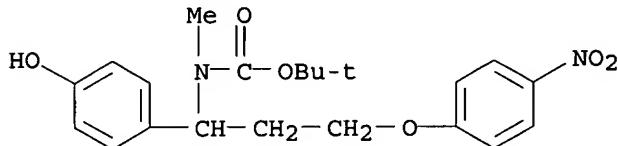


IT 578729-97-2P 663179-21-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(design, synthesis and structure-Activity relationships of dual inhibitors of acetylcholinesterase and serotonin transporter as

potential agents for Alzheimer's disease)

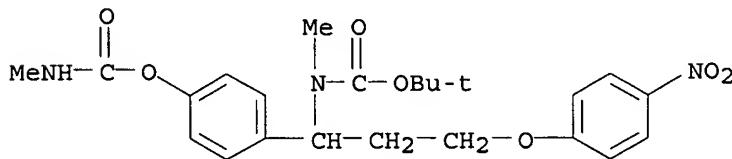
RN 578729-97-2 CAPLUS

CN Carbamic acid, [1-(4-hydroxyphenyl)-3-(4-nitrophenoxy)propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 663179-21-3 CAPLUS

CN Carbamic acid, methyl[1-[4-[(methylamino)carbonyloxy]phenyl]-3-(4-nitrophenoxy)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IT 663190-59-8P 663190-62-3P 663190-75-8P

663191-00-2P 663191-10-4P 663191-20-6P

663191-36-4P 663191-48-8P 663192-95-8P

663193-10-0P 663197-96-4P 663198-00-3P

663198-40-1P 663213-88-5P 663215-01-8P

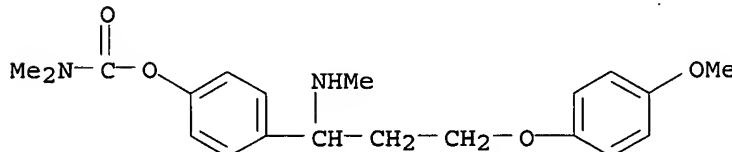
663215-03-0P 663215-04-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(design, synthesis and structure-Activity relationships of dual inhibitors of acetylcholinesterase and serotonin transporter as potential agents for Alzheimer's disease)

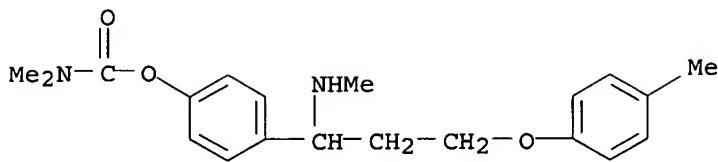
RN 663190-59-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(4-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)

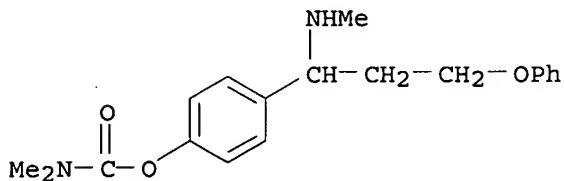


RN 663190-62-3 CAPLUS

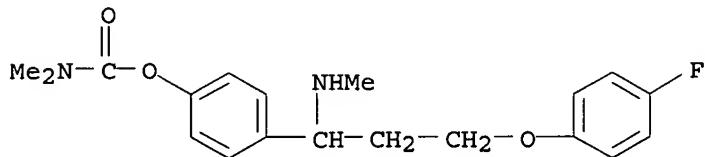
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-methoxyphenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



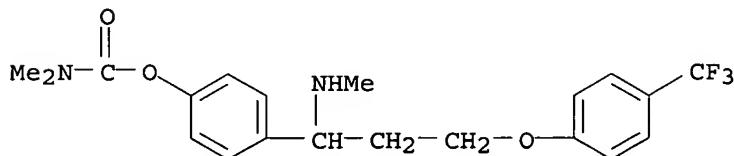
RN 663190-75-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-phenoxypropyl]phenyl ester
(9CI) (CA INDEX NAME)



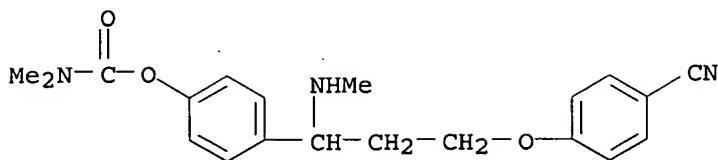
RN 663191-00-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-fluorophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)



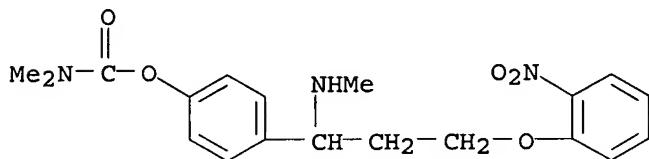
RN 663191-10-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[4-(trifluoromethyl)phenoxy]propyl]phenyl ester (9CI) (CA INDEX NAME)



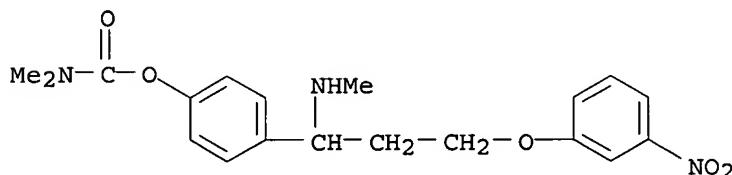
RN 663191-20-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-cyanophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)



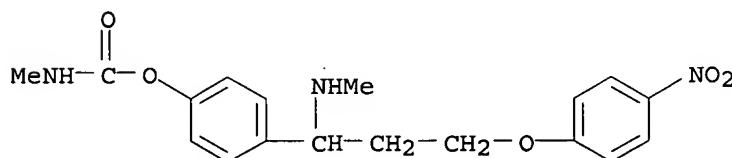
RN 663191-36-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(2-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



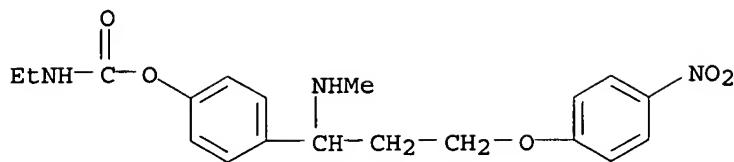
RN 663191-48-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



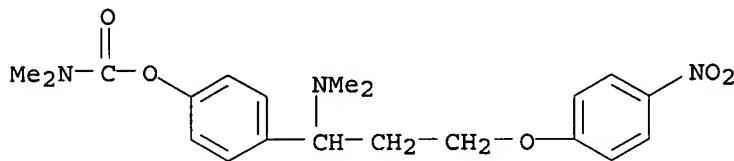
RN 663192-95-8 CAPLUS
CN Phenol, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]-, methylcarbamate (ester) (9CI) (CA INDEX NAME)



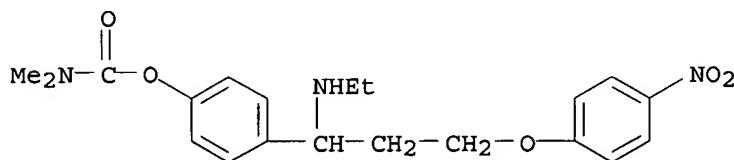
RN 663193-10-0 CAPLUS
CN Carbamic acid, ethyl-, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



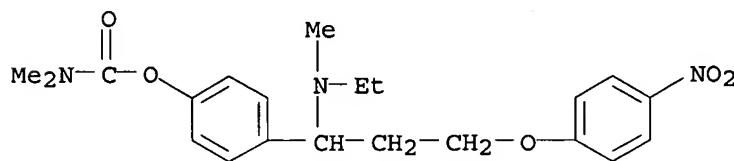
RN 663197-96-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



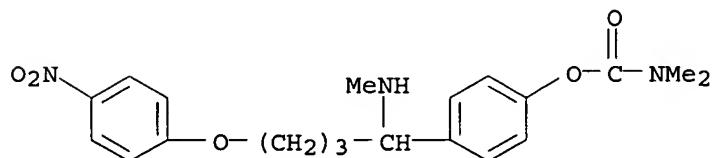
RN 663198-00-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



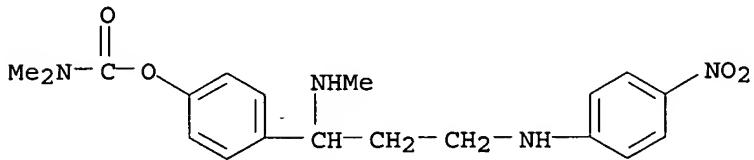
RN 663198-40-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylmethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



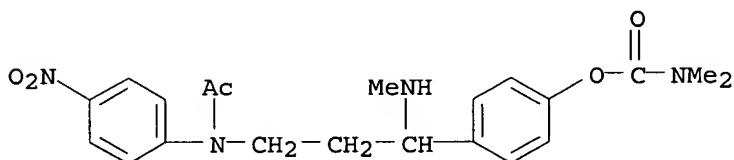
RN 663213-88-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-4-(4-nitrophenoxy)butyl]phenyl ester (9CI) (CA INDEX NAME)



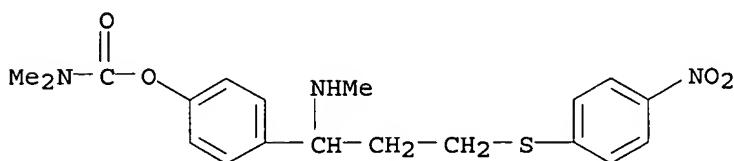
RN 663215-01-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)amino]propyl]phenyl ester (9CI) (CA INDEX NAME)



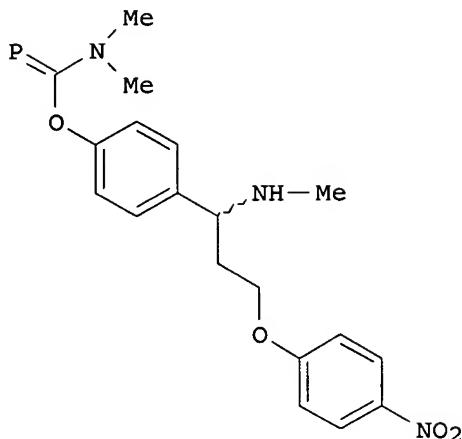
RN 663215-03-0 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[acetyl(4-nitrophenyl)amino]-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)



RN 663215-04-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)thio]propyl]phenyl ester (9CI) (CA INDEX NAME)



GI



AB We have designed and synthesized a dual inhibitor of acetylcholinesterase (AChE) and serotonin transporter (SERT) as a novel class of treatment drugs for Alzheimer's disease on the basis of a hypothetical model of the AChE active site. Dual inhibitions of AChE and SERT would bring about greater therapeutic effects than AChE inhibition alone and avoid adverse peripheral effects caused by excessive AChE inhibition. Compound (I) exhibited potent inhibitory activities against AChE ($IC_{50}=101\text{ nM}$) and SERT ($IC_{50}=42\text{ nM}$). Furthermore, I showed inhibitory activities of both AChE and SERT in mice brain following oral administration.

REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

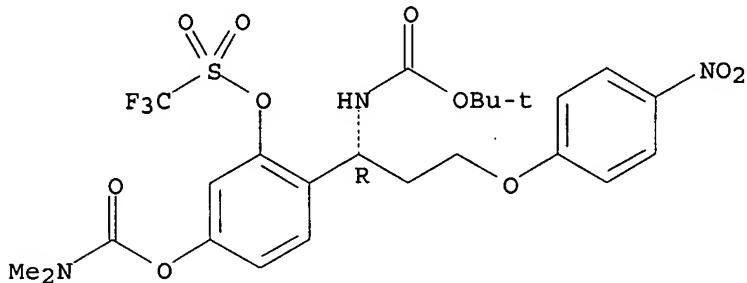
L4 ANSWER 26 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:667576 CAPLUS
 DOCUMENT NUMBER: 137:337771
 TITLE: Design and Synthesis of Dual Inhibitors of Acetylcholinesterase and Serotonin Transporter Targeting Potential Agents for Alzheimer's Disease
 AUTHOR(S): Kogen, Hiroshi; Toda, Narihiro; Tago, Keiko; Marumoto, Shinji; Takami, Kazuko; Ori, Mayuko; Yamada, Naho; Koyama, Kazuo; Naruto, Shunji; Abe, Kazumi; Yamazaki, Reina; Hara, Takao; Aoyagi, Atsushi; Abe, Yasuyuki; Kaneko, Tsugio
 CORPORATE SOURCE: Research Information Department, Exploratory Chemistry Research Laboratories, Neuroscience and Immunology Research Laboratories, Sankyo Co., Ltd., Shinagawa-ku, Tokyo, 140-8710, Japan
 SOURCE: Organic Letters (2002), 4(20), 3359-3362
 CODEN: ORLEF7; ISSN: 1523-7060
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 137:337771
 IT 474296-05-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (determination of absolute stereochem. of
 (dimethylcarbamoyl)(nitrophenoxyethyl)ben
 zylamine, prepared as dual acetylcholinesterase/serotonin transporter

inhibitor for Alzheimer's disease)

RN 474296-05-4 CAPLUS

CN Methanesulfonic acid, trifluoro-, 5-[[[dimethylamino]carbonyl]oxy]-2-[(1R)-1-[[[1,1-dimethylethoxy]carbonyl]amino]-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 444644-93-3P 474295-89-1P

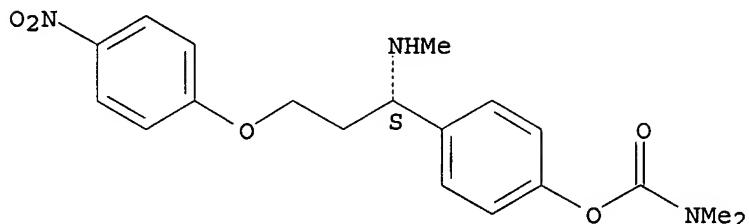
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of chiral (dimethylcarbamoyl)(nitrophenoxyethyl)benzylamine and (dimethylcarbamoyl)(nitrophenoxyethyl)dihydrobenzazepine as dual acetylcholinesterase/serotonin transporter inhibitors for Alzheimer's disease)

RN 444644-93-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

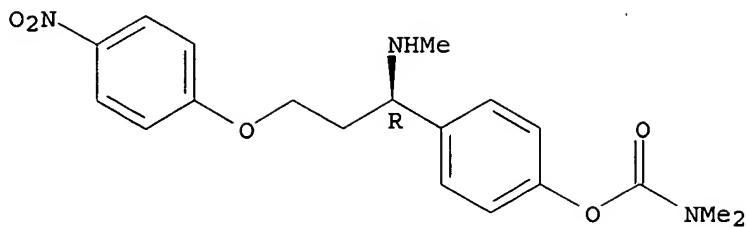


● HCl

RN 474295-89-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 444646-39-3P 444646-40-6P 444667-96-3P
 474295-88-0P 474295-90-4P 474295-96-0P
 474295-97-1P 474295-98-2P 474295-99-3P
 474296-07-6P

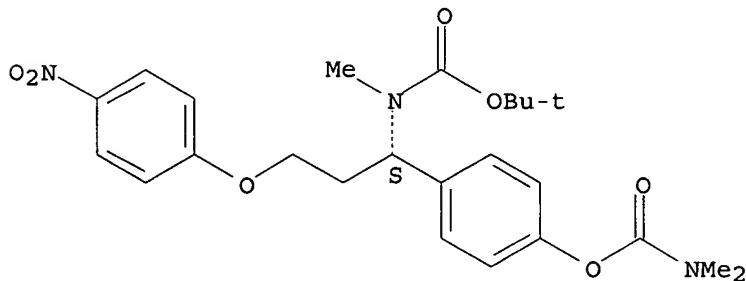
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of chiral (dimethylcarbamoyl)(nitrophenoxyethyl)benzylamine and (dimethylcarbamoyl)(nitrophenoxyethyl)dihydrobenzazepine as dual acetylcholinesterase/serotonin transporter inhibitors for Alzheimer's disease)

RN 444646-39-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-[(1,1-dimethylethoxy)carbonyl]methyamino]-3-(4-nitrophenoxy)propylphenyl ester (9CI) (CA INDEX NAME)

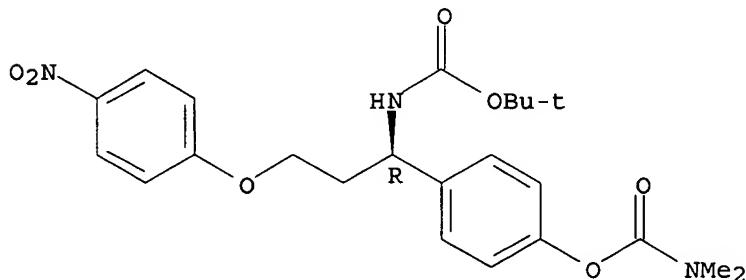
Absolute stereochemistry. Rotation (-).



RN 444646-40-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propylphenyl ester (9CI) (CA INDEX NAME)

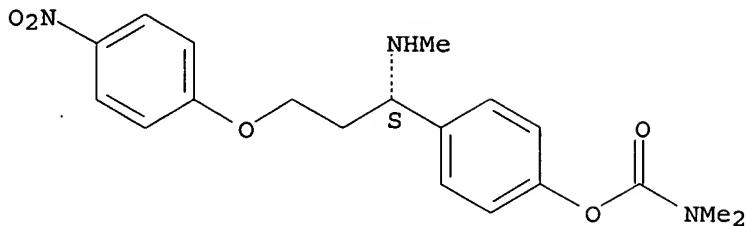
Absolute stereochemistry. Rotation (+).



RN 444667-96-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propylphenyl ester (9CI) (CA INDEX NAME)

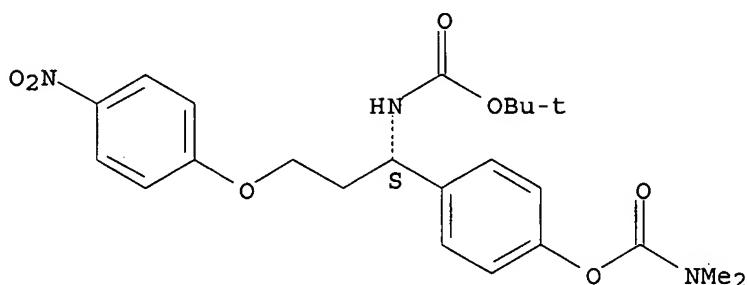
Absolute stereochemistry.



RN 474295-88-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl phenyl ester (9CI) (CA INDEX NAME)

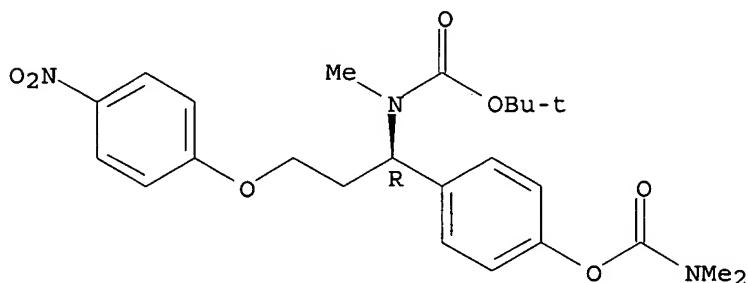
Absolute stereochemistry. Rotation (-).



RN 474295-90-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]methylamino]-3-(4-nitrophenoxy)propyl phenyl ester (9CI) (CA INDEX NAME)

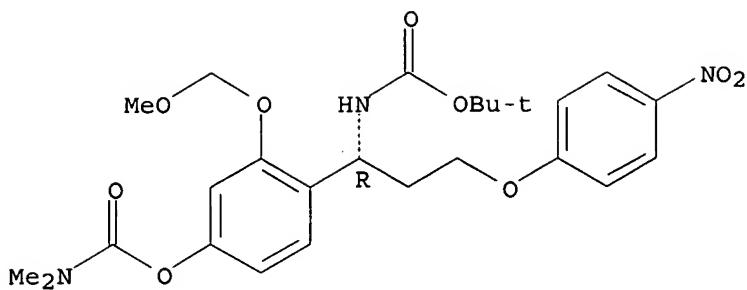
Absolute stereochemistry.



RN 474295-96-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl-3-(methoxymethoxy)phenyl ester (9CI) (CA INDEX NAME)

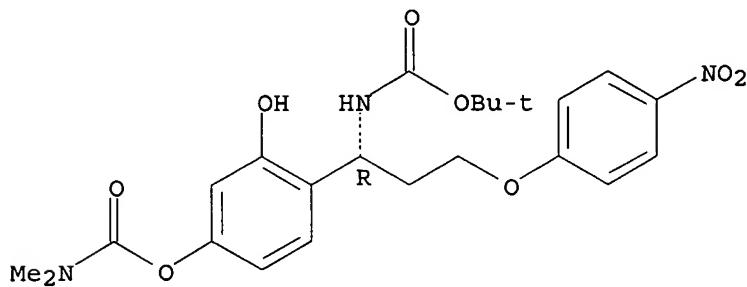
Absolute stereochemistry.



RN 474295-97-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl-3-hydroxyphenyl ester (9CI) (CA INDEX NAME)

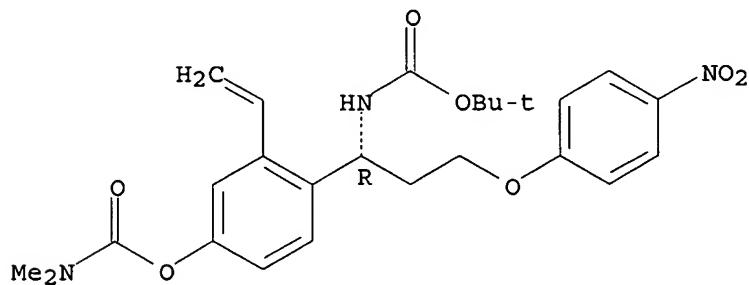
Absolute stereochemistry. Rotation (-).



RN 474295-98-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl-3-ethenylphenyl ester (9CI) (CA INDEX NAME)

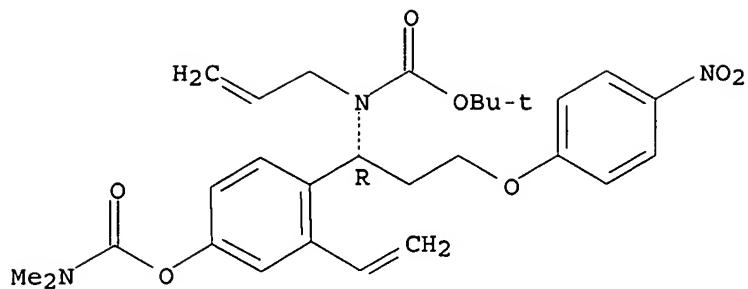
Absolute stereochemistry. Rotation (-).



RN 474295-99-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]-2-propenylamino]-3-(4-nitrophenoxy)propyl-3-ethenylphenyl ester (9CI) (CA INDEX NAME)

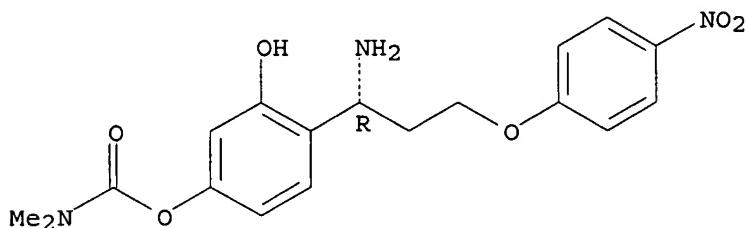
Absolute stereochemistry. Rotation (+).



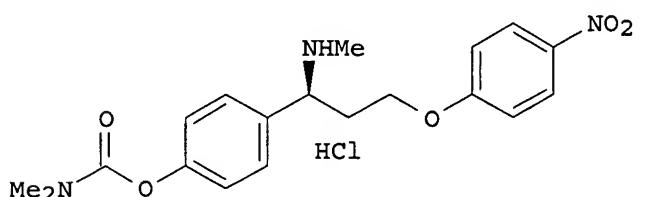
RN 474296-07-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-amino-3-(4-nitrophenoxy)propyl]-3-hydroxyphenyl ester (9CI) (CA INDEX NAME)

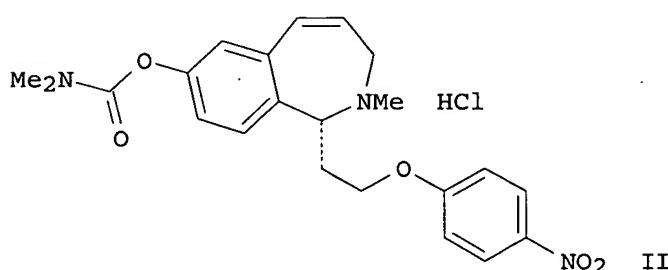
Absolute stereochemistry. Rotation (-).



GI



I



II

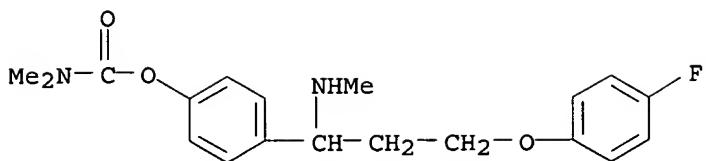
AB Highly efficient acetylcholinesterase (AChE) and serotonin transporter (SERT) dual inhibitors, I and II, were designed on the basis of the hypothetical model of AChE active site and synthesized. Both compds.

showed potent inhibitory activities against AChE and SERT.
 REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 27 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:575038 CAPLUS
 DOCUMENT NUMBER: 137:140527
 TITLE: Preparation of alkylcarbamic acid esters as acetylcholinesterase inhibitor and serotonin reuptake inhibitor
 INVENTOR(S): Koyama, Kazuo; Marumoto, Shinji; Toda, Narihiro; Kogen, Hiroshi; Suzuki, Keiko
 PATENT ASSIGNEE(S): Sankyo Company, Limited, Japan
 SOURCE: PCT Int. Appl., 300 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059074	A1	20020801	WO 2002-JP400	20020122
W: AU, BR, CA, CN, CO, CZ, HU, ID, IL, IN, KR, MX, NO, NZ, PH, PL, RU, SG, SK, US, VN, ZA				
o RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2435883	AA	20020801	CA 2002-2435883	20020122
EP 1362844	A1	20031119	EP 2002-716323	20020122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
JP 2003176256	A2	20030624	JP 2002-15136	20020124
US 2004067981	A1	20040408	US 2003-629108	20030728
PRIORITY APPLN. INFO.:			JP 2001-18386	A 20010126
			JP 2001-305182	A 20011001
			WO 2002-JP400	W 20020122

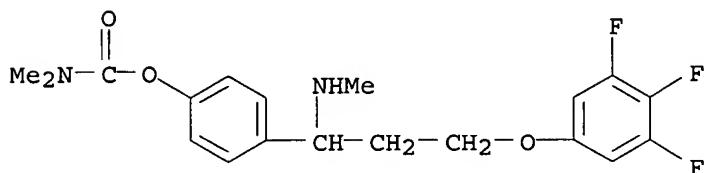
OTHER SOURCE(S): MARPAT 137:140527
 IT 444644-26-2P 444644-76-2P 444644-78-4P
 444644-93-3P 444645-18-5P 444645-33-4P
 444645-35-6P 444645-37-8P 444645-45-8P
 444645-47-0P 444645-49-2P 444645-51-6P
 444645-56-1P 444645-69-6P 444645-73-2P
 444645-78-7P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of alkylcarbamic acid esters as acetylcholinesterase inhibitor)
 RN 444644-26-2 CAPLUS
 CN Carbamic acid, dimethyl-, 4-[3-(4-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-76-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3,4,5-trifluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

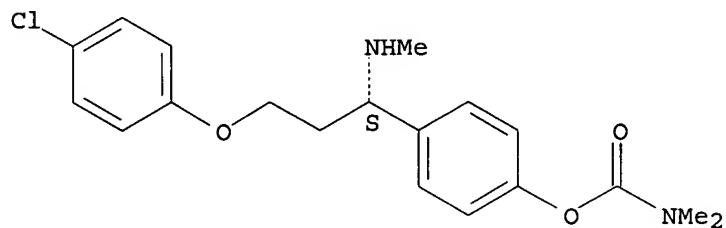


● HCl

RN 444644-78-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

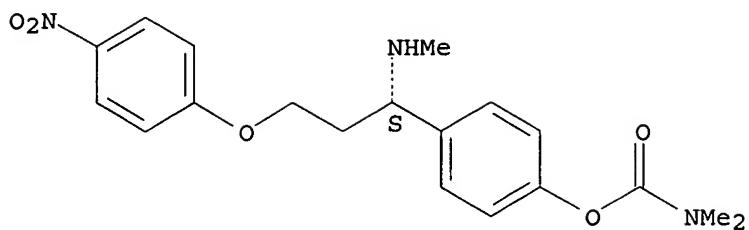


● HCl

RN 444644-93-3 CAPLUS

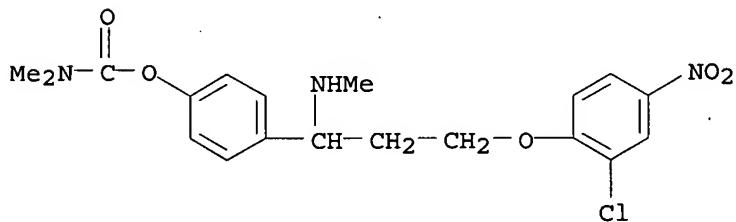
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



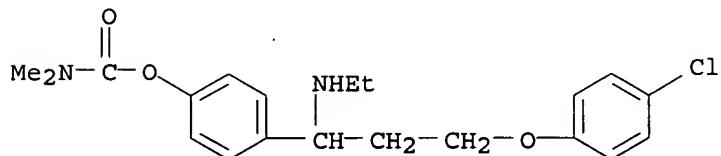
● HCl

RN 444645-18-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2-chloro-4-nitrophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



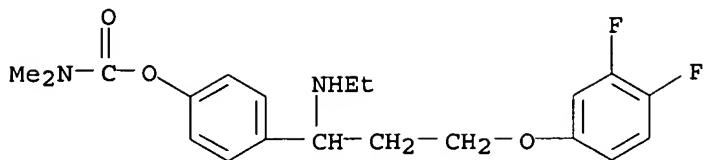
● HCl

RN 444645-33-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(ethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

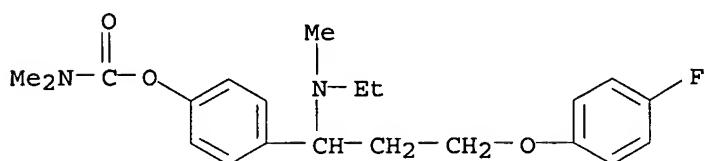
RN 444645-35-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,4-difluorophenoxy)-1-(ethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-37-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(ethylmethylamino)-3-(4-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

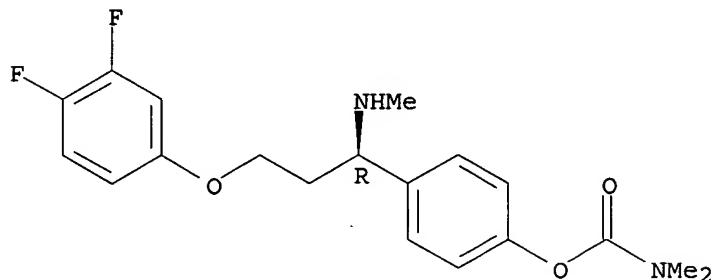


● HCl

RN 444645-45-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(3,4-difluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

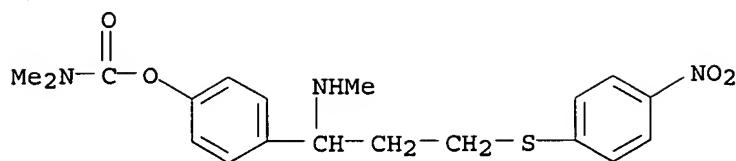
Absolute stereochemistry.



● HCl

RN 444645-47-0 CAPLUS

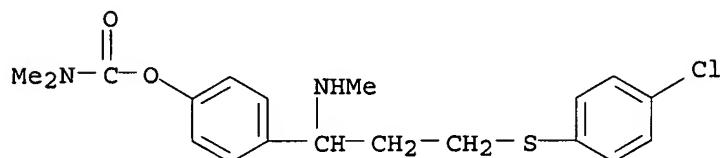
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)thio]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-49-2 CAPLUS

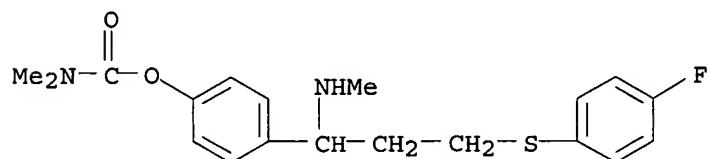
CN Carbamic acid, dimethyl-, 4-[3-[(4-chlorophenyl)thio]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-51-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-[(4-fluorophenyl)thio]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

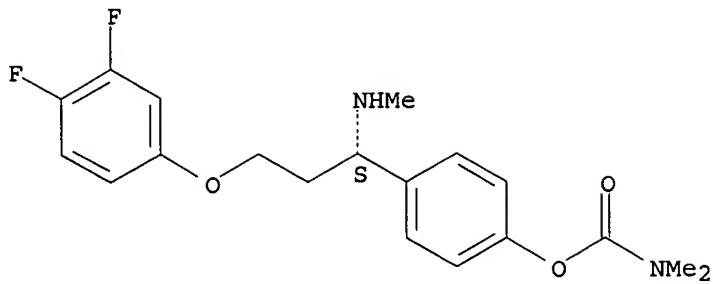


● HCl

RN 444645-56-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-3-(3,4-difluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

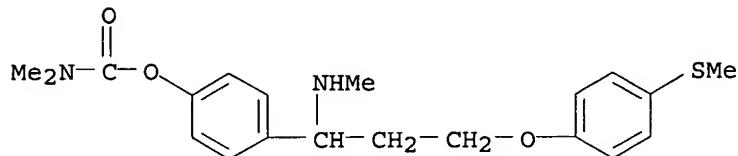
Absolute stereochemistry.



● HCl

RN 444645-69-6 CAPLUS

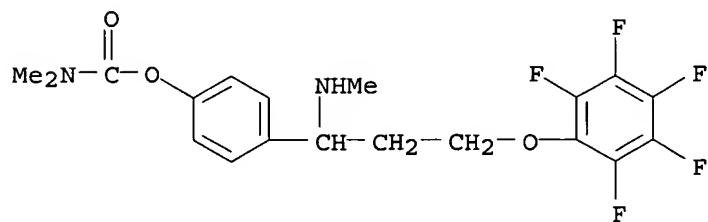
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[4-(methylthio)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-73-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(pentafluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

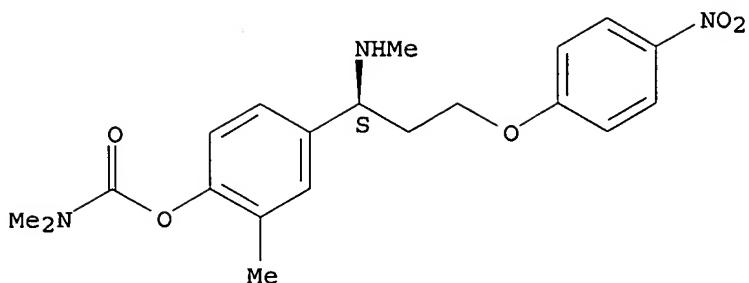


● HCl

RN 444645-78-7 CAPLUS

CN Carbamic acid, dimethyl-, 2-methyl-4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

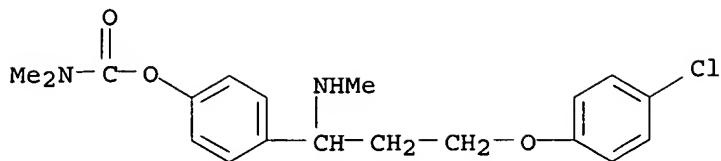


● HCl

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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

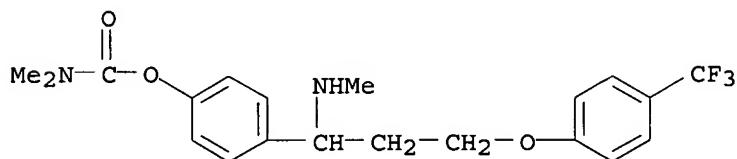
RN 444644-13-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-14-8 CAPLUS

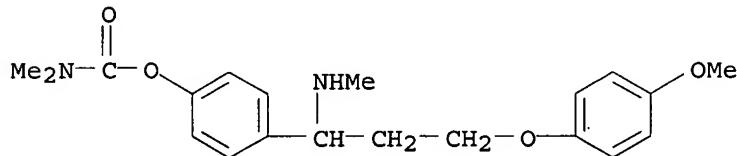
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[4-(trifluoromethyl)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-15-9 CAPLUS

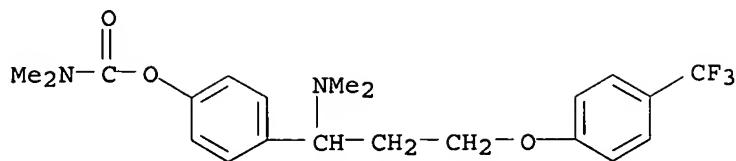
CN Carbamic acid, dimethyl-, 4-[3-(4-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-25-1 CAPLUS

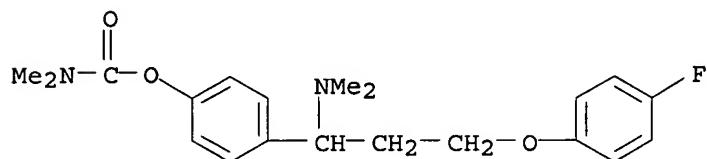
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● HCl

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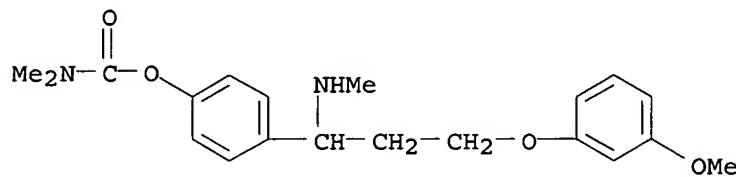
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● HCl

RN 444644-32-0 CAPLUS

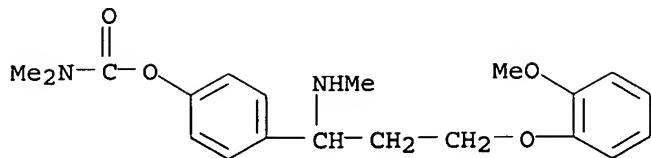
CN Carbamic acid, dimethyl-, 4-[3-(3-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-33-1 CAPLUS

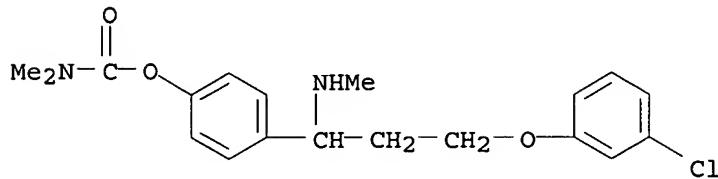
CN Carbamic acid, dimethyl-, 4-[3-(2-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-34-2 CAPLUS

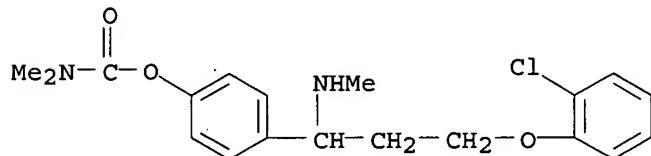
CN Carbamic acid, dimethyl-, 4-[3-(3-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-35-3 CAPLUS

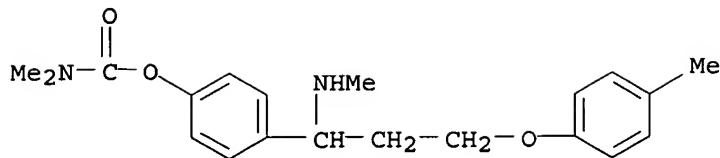
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● HCl

RN 444644-36-4 CAPLUS

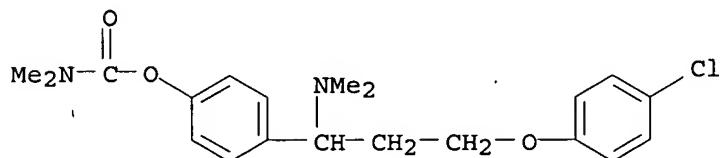
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-methylphenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-37-5 CAPLUS

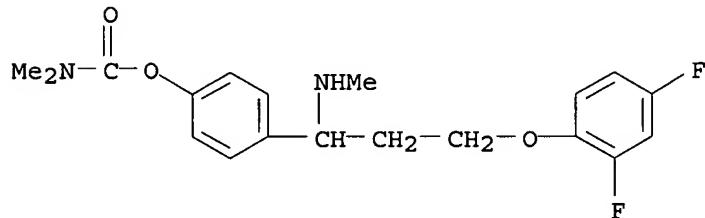
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-39-7 CAPLUS

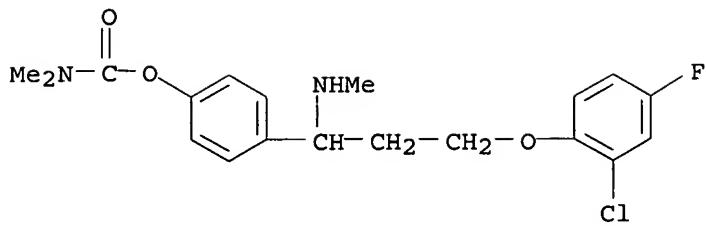
CN Carbamic acid, dimethyl-, 4-[3-(2,4-difluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-40-0 CAPLUS

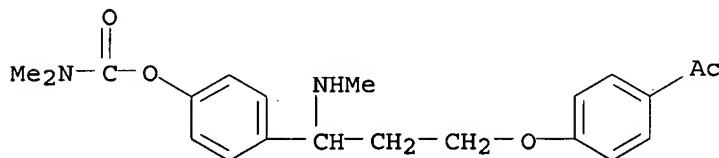
CN Carbamic acid, dimethyl-, 4-[3-(2-chloro-4-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-41-1 CAPLUS

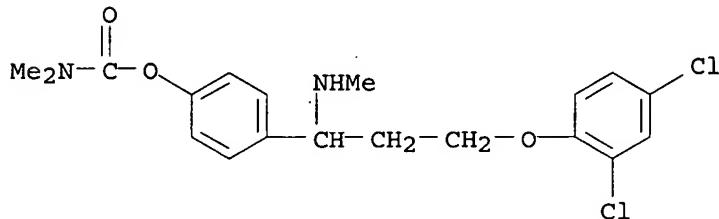
CN Carbamic acid, dimethyl-, 4-[3-(4-acetylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-42-2 CAPLUS

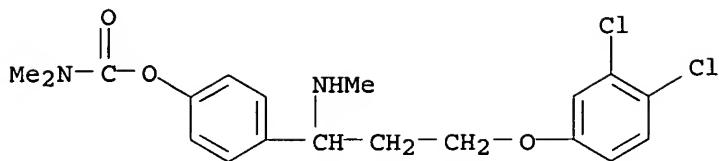
CN Carbamic acid, dimethyl-, 4-[3-(2,4-dichlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-43-3 CAPLUS

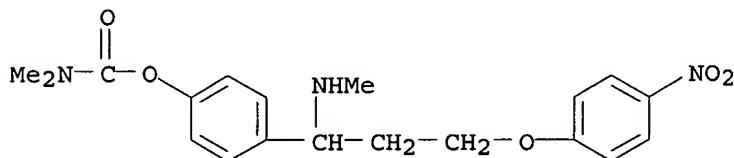
CN Carbamic acid, dimethyl-, 4-[3-(3,4-dichlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-44-4 CAPLUS

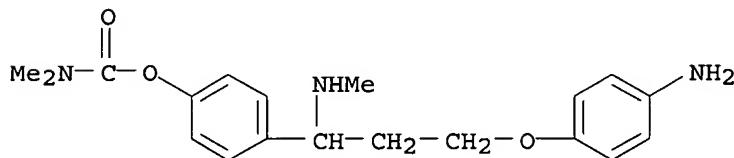
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-45-5 CAPLUS

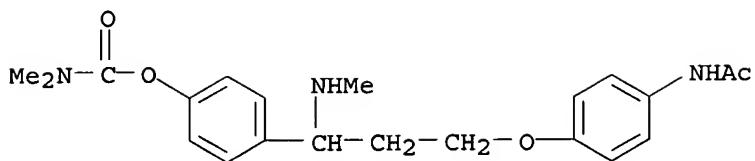
CN Carbamic acid, dimethyl-, 4-[3-(4-aminophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

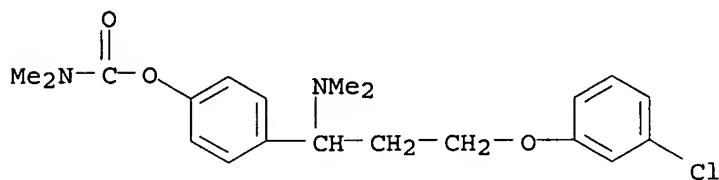
RN 444644-46-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-[4-(acetylamino)phenoxy]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



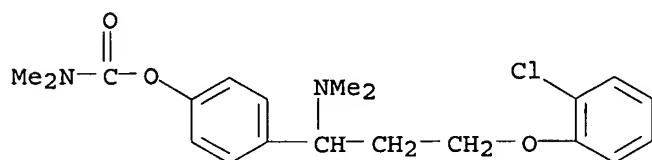
● HCl

RN 444644-47-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3-chlorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



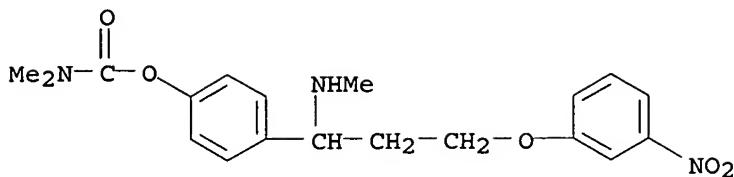
● HCl

RN 444644-48-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2-chlorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

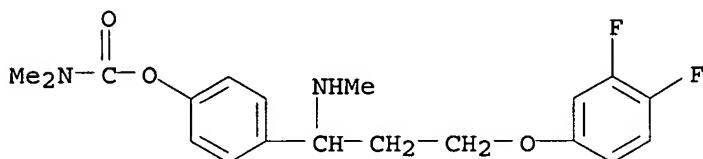
RN 444644-49-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-50-2 CAPLUS

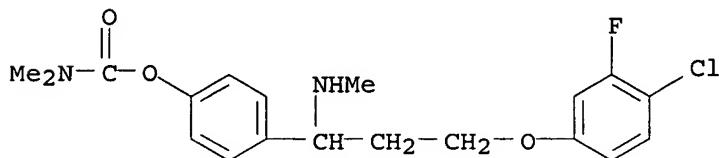
CN Carbamic acid, dimethyl-, 4-[3-(3,4-difluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-51-3 CAPLUS

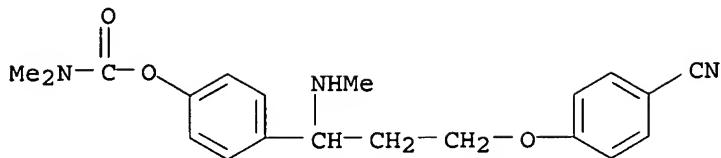
CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-3-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

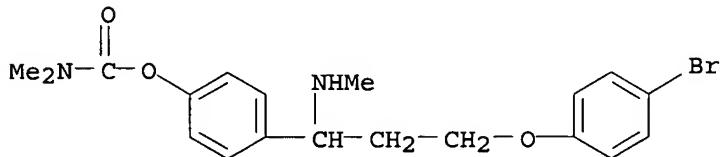
RN 444644-52-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(4-cyanophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



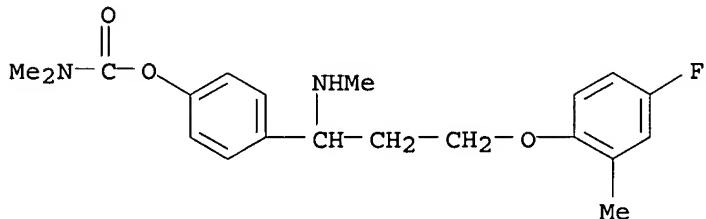
● HCl

RN 444644-53-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-bromophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



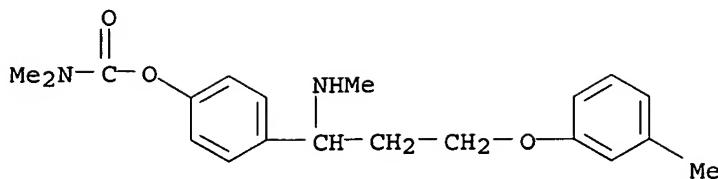
● HCl

RN 444644-54-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-fluoro-2-methylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

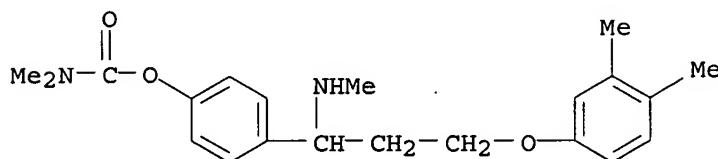
RN 444644-55-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3-methylphenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-56-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(3,4-dimethylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

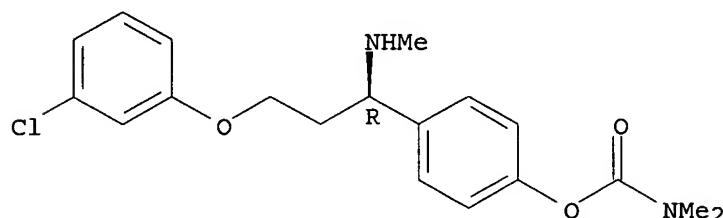


● HCl

RN 444644-57-9 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(3-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

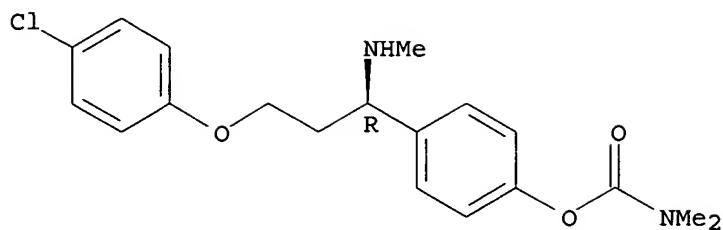


● HCl

RN 444644-58-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

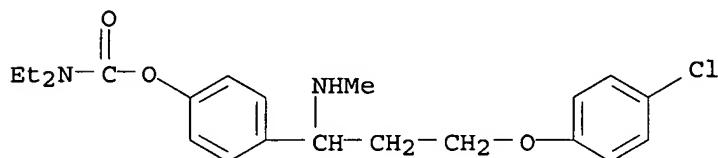
Absolute stereochemistry.



● HCl

RN 444644-59-1 CAPLUS

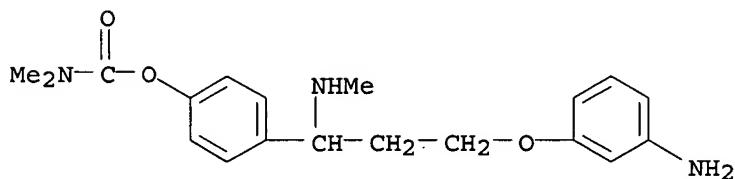
CN Carbamic acid, diethyl-, 4-[3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-60-4 CAPLUS

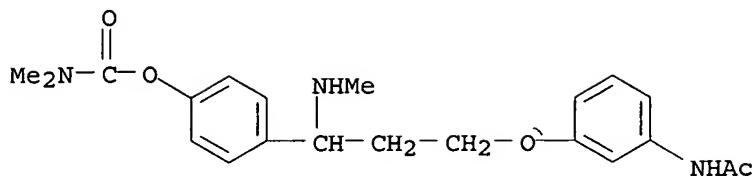
CN Carbamic acid, dimethyl-, 4-[3-(3-aminophenoxy)-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 444644-61-5 CAPLUS

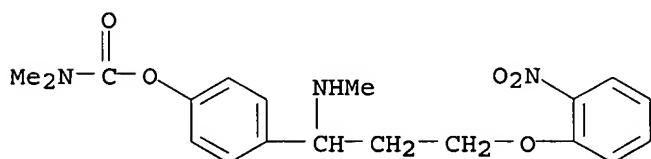
CN Carbamic acid, dimethyl-, 4-[3-[3-(acetylamino)phenoxy]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-62-6 CAPLUS

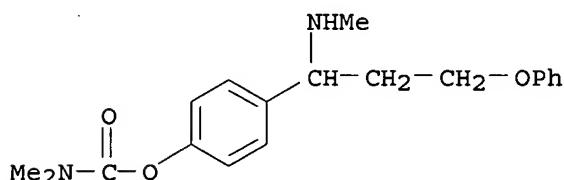
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(2-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-63-7 CAPLUS

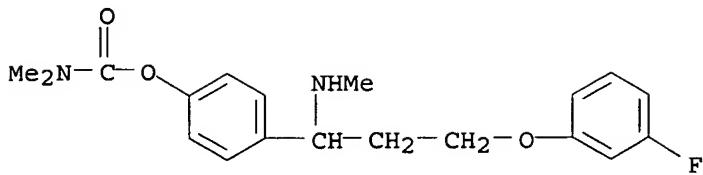
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-phenoxypropyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-64-8 CAPLUS

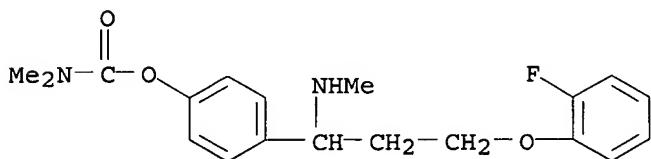
CN Carbamic acid, dimethyl-, 4-[3-(3-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-65-9 CAPLUS

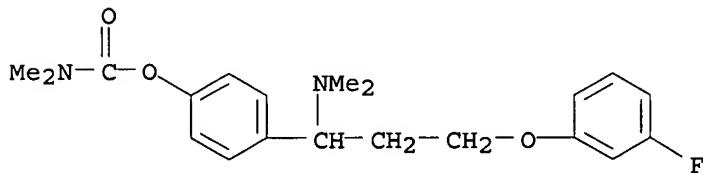
CN Carbamic acid, dimethyl-, 4-[3-(2-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-66-0 CAPLUS

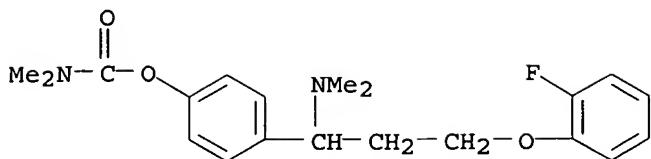
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(3-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-67-1 CAPLUS

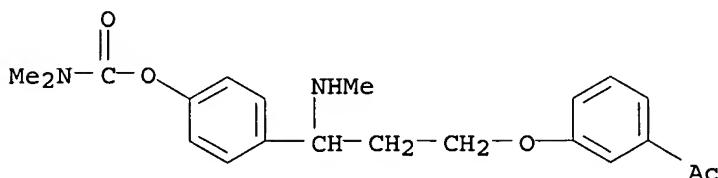
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(2-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-68-2 CAPLUS

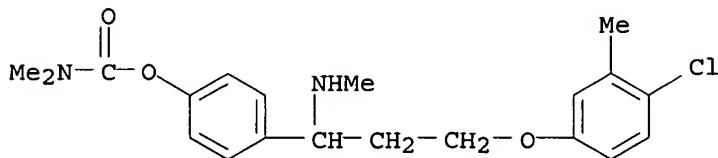
CN Carbamic acid, dimethyl-, 4-[3-(3-acetylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-69-3 CAPLUS

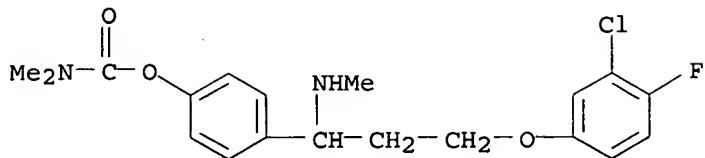
CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-3-methylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-70-6 CAPLUS

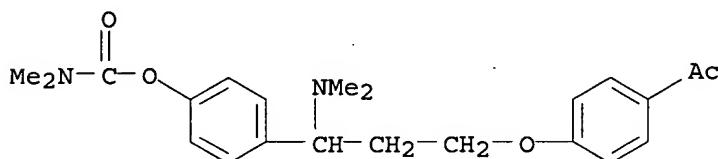
CN Carbamic acid, dimethyl-, 4-[3-(3-chloro-4-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-71-7 CAPLUS

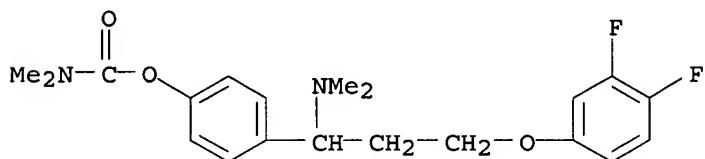
CN Carbamic acid, dimethyl-, 4-[3-(4-acetylphenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI). (CA INDEX NAME)



● HCl

RN 444644-72-8 CAPLUS

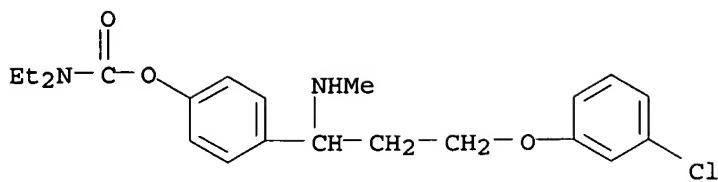
CN Carbamic acid, dimethyl-, 4-[3-(3,4-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-73-9 CAPLUS

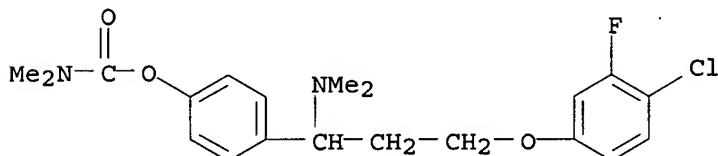
CN Carbamic acid, diethyl-, 4-[3-(3-chlorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-74-0 CAPLUS

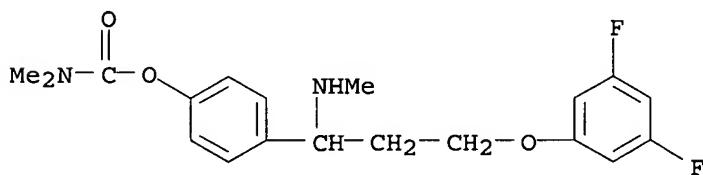
CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-3-fluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-75-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(3,5-difluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

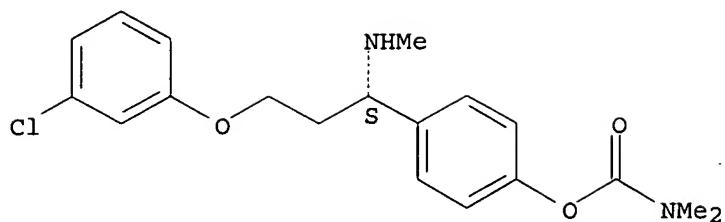


● HCl

RN 444644-77-3 CAPLUS

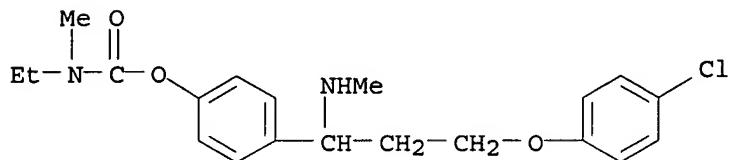
CN Carbamic acid, dimethyl-, 4-[(1S)-3-(3-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



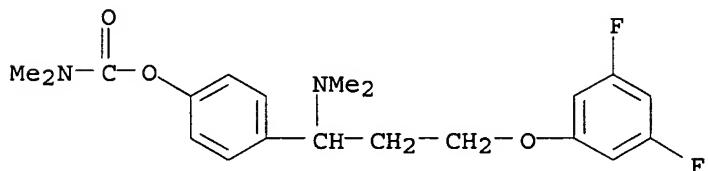
● HCl

RN 444644-79-5 CAPLUS
CN Carbamic acid, ethylmethyl-, 4-[3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



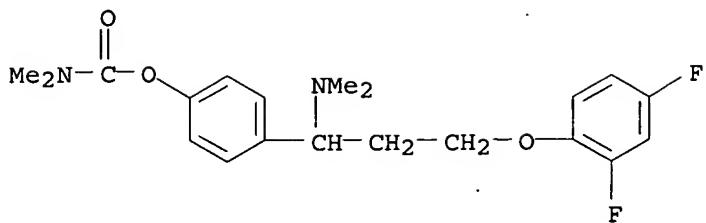
● HCl

RN 444644-80-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,5-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



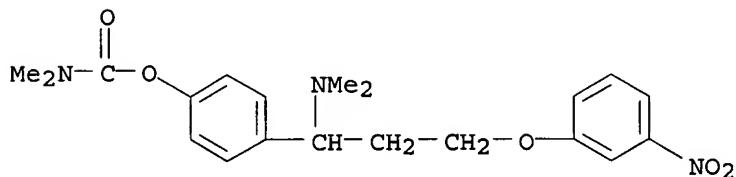
● HCl

RN 444644-81-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2,4-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



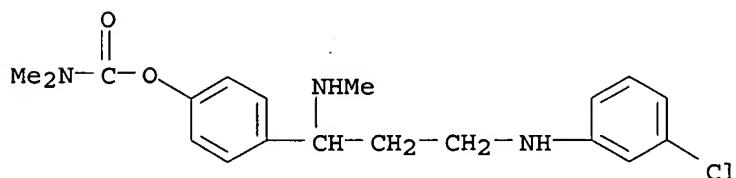
● HCl

RN 444644-82-0 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(3-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



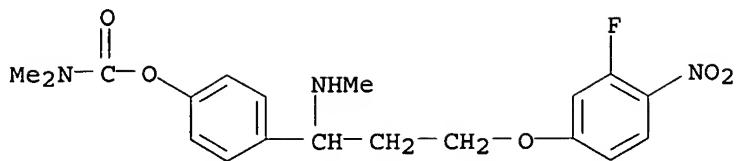
● HCl

RN 444644-83-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[(3-chlorophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

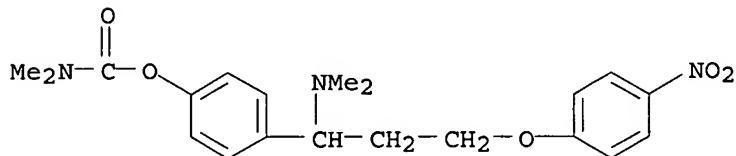
RN 444644-84-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3-fluoro-4-nitrophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-85-3 CAPLUS

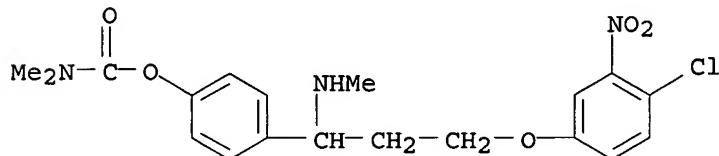
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-86-4 CAPLUS

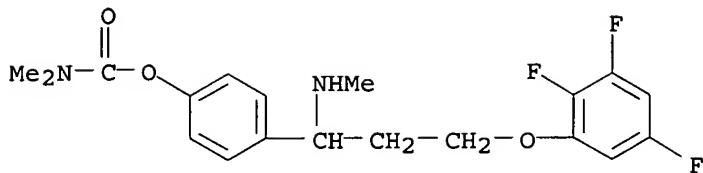
CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-3-nitrophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-87-5 CAPLUS

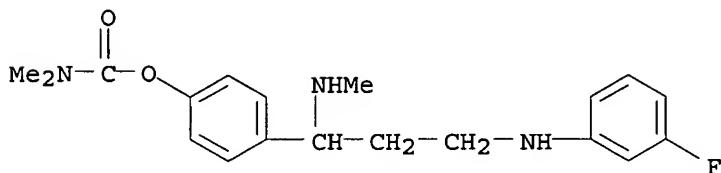
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(2,3,5-trifluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-88-6 CAPLUS

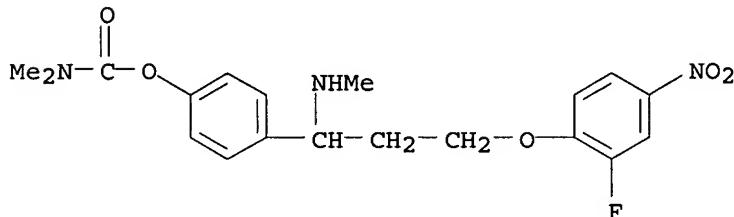
CN Carbamic acid, dimethyl-, 4-[3-[(3-fluorophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 444644-91-1 CAPLUS

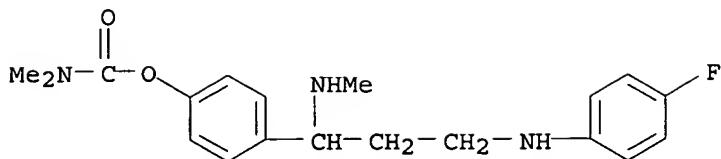
CN Carbamic acid, dimethyl-, 4-[3-[(2-fluoro-4-nitrophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-92-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-[(4-fluorophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

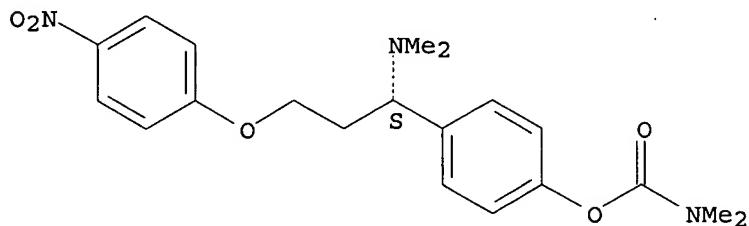


• 2 HCl

RN 444644-94-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1*S*)-1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

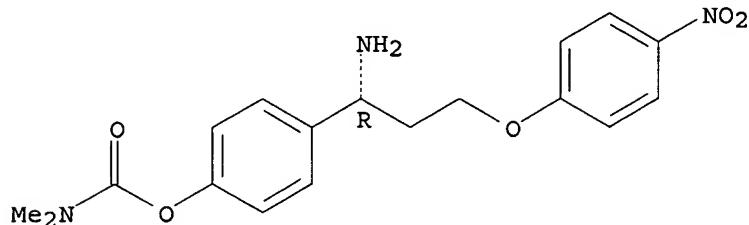


● HCl

RN 444644-95-5 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-amino-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

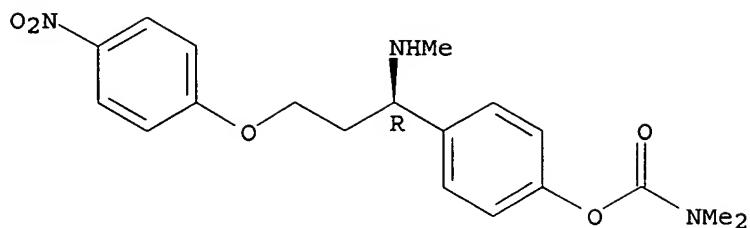


● HCl

RN 444644-96-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

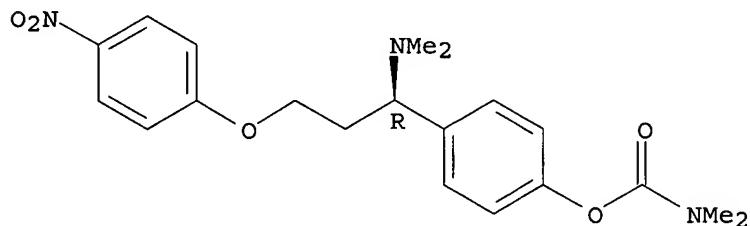


● HCl

RN 444644-97-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

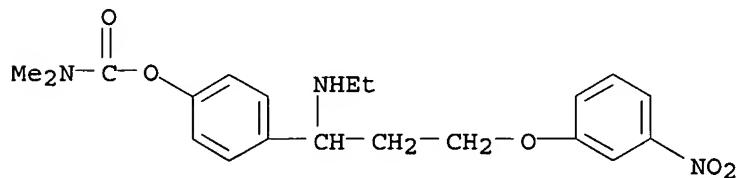
Absolute stereochemistry.



● HCl

RN 444645-00-5 CAPLUS

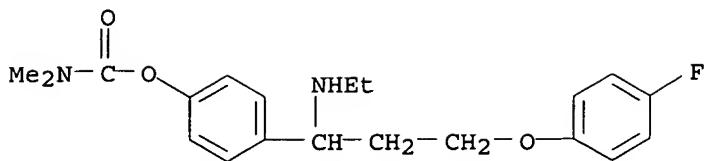
CN Carbamic acid, dimethyl-, 4-[(1-ethylamino)-3-(3-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-01-6 CAPLUS

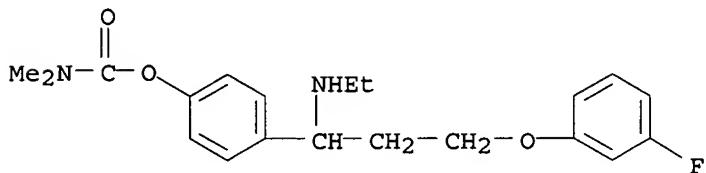
CN Carbamic acid, dimethyl-, 4-[(1-ethylamino)-3-(4-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-02-7 CAPLUS

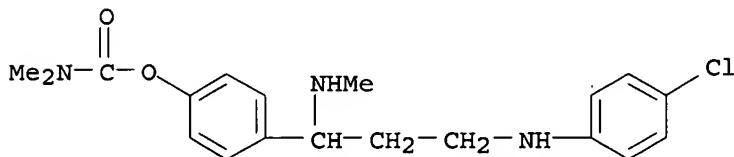
CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(3-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-04-9 CAPLUS

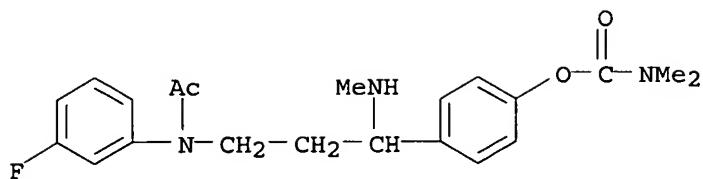
CN Carbamic acid, dimethyl-, 4-[3-[(4-chlorophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 444645-05-0 CAPLUS

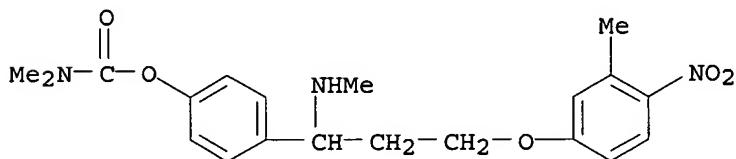
CN Carbamic acid, dimethyl-, 4-[3-[(3-fluorophenyl)amino]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-06-1 CAPLUS

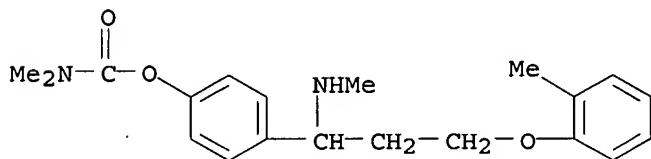
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3-methyl-4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-07-2 CAPLUS

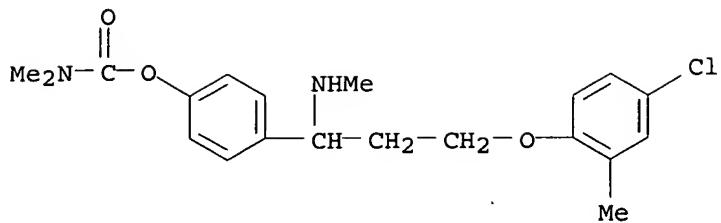
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(2-methylphenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-08-3 CAPLUS

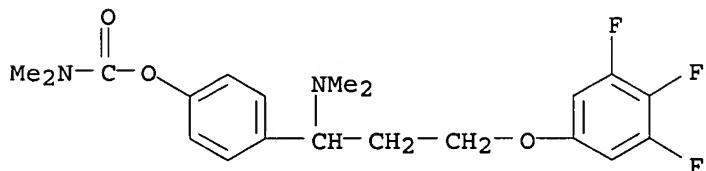
CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-2-methylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-09-4 CAPLUS

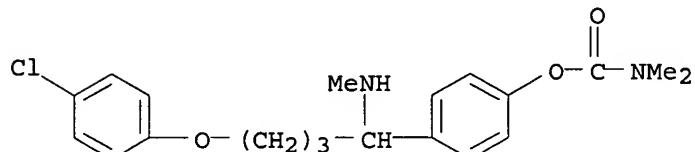
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(3,4,5-trifluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-10-7 CAPLUS

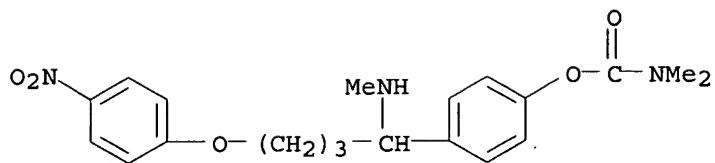
CN Carbamic acid, dimethyl-, 4-[4-(4-chlorophenoxy)-1-(methylamino)butyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-11-8 CAPLUS

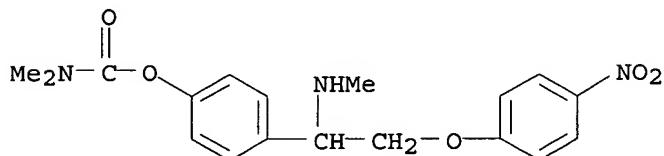
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-4-(4-nitrophenoxy)butyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-12-9 CAPLUS

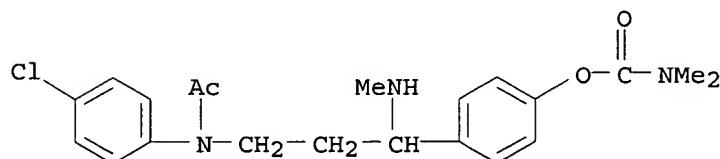
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-13-0 CAPLUS

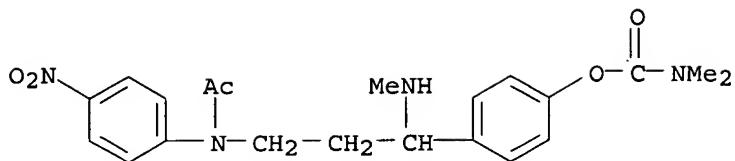
CN Carbamic acid, dimethyl-, 4-[3-(acetyl(4-chlorophenyl)amino)-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 444645-14-1 CAPLUS

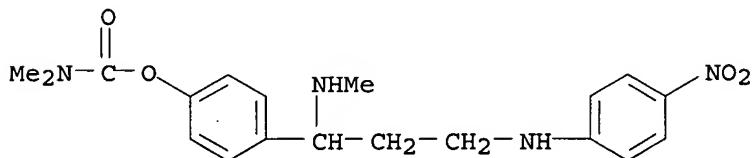
CN Carbamic acid, dimethyl-, 4-[3-(acetyl(4-nitrophenyl)amino)-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 444645-15-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)amino]propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

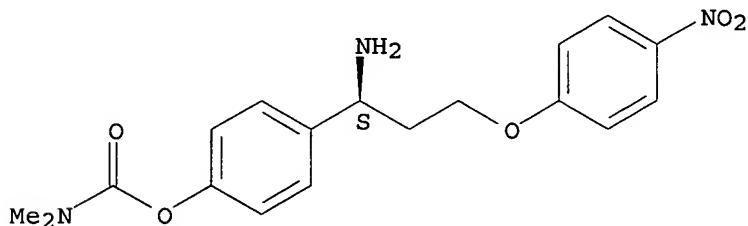


● 2 HCl

RN 444645-17-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-amino-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

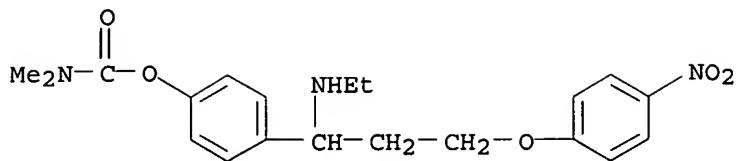
Absolute stereochemistry.



● HCl

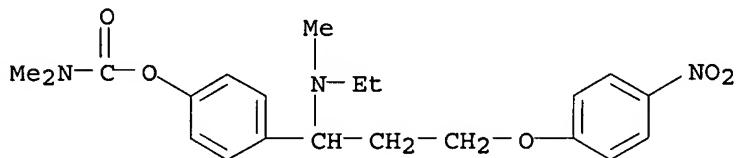
RN 444645-31-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



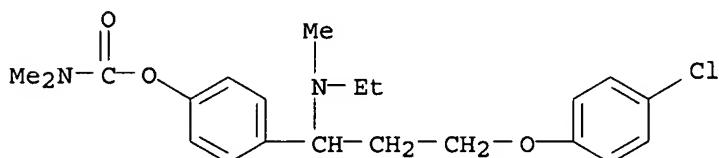
● HCl

RN 444645-32-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylmethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



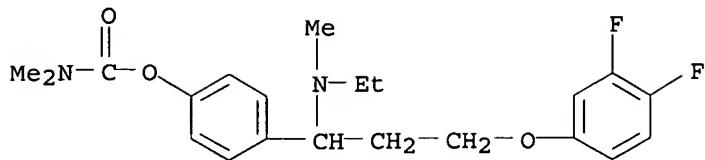
● HCl

RN 444645-34-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(ethylmethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-36-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,4-difluorophenoxy)-1-(ethylmethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

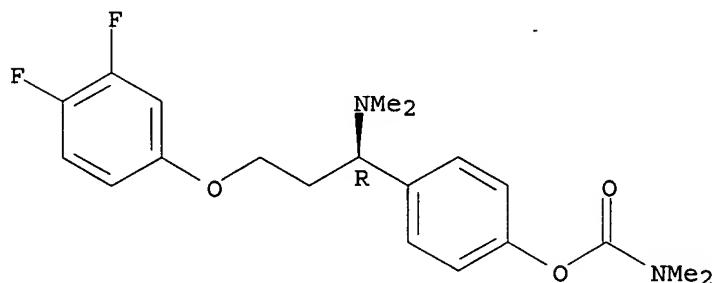


● HCl

RN 444645-46-9 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(3,4-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

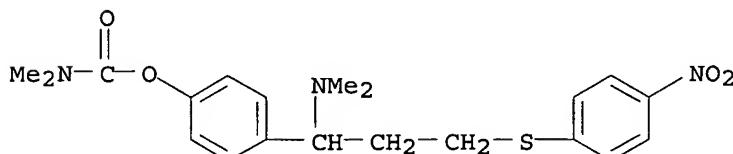
Absolute stereochemistry.



● HCl

RN 444645-48-1 CAPLUS

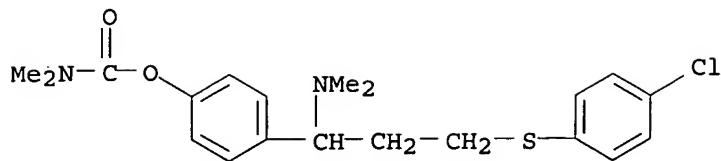
CN Carbamic acid, dimethyl-, 4-[(1-(dimethylamino)-3-[(4-nitrophenyl)thio]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-50-5 CAPLUS

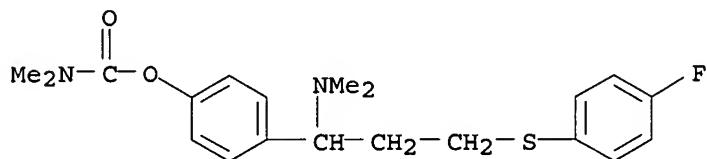
CN Carbamic acid, dimethyl-, 4-[(3-[(4-chlorophenyl)thio]-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-52-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1-(dimethylamino)propyl)thio]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

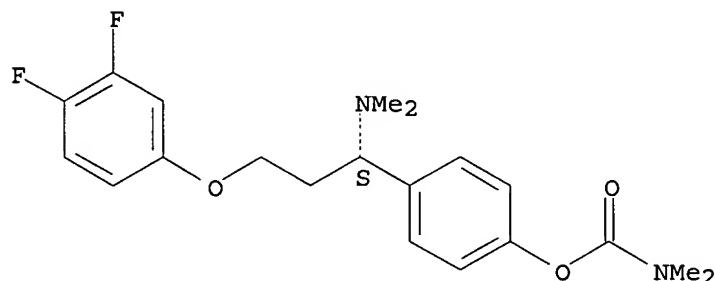


● HCl

RN 444645-57-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-3-(3,4-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 444645-59-4 CAPLUS

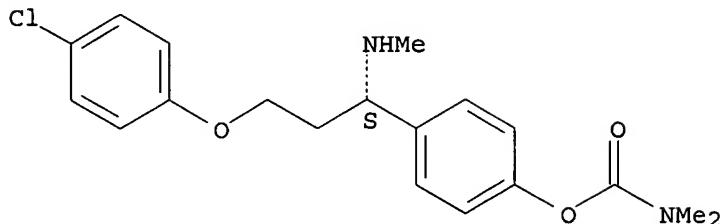
CN Carbamic acid, dimethyl-, 4-[(1S)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, (2E)-2-butenedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

10/629, 108

CRN 444645-58-3
CMF C19 H23 Cl N2 O3

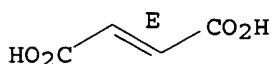
Absolute stereochemistry.



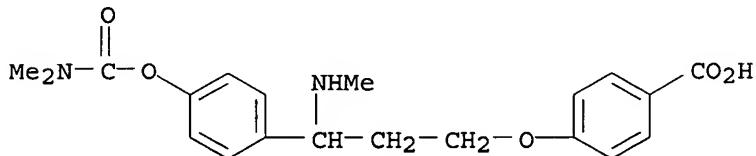
CM 2

CRN 110-17-8
CMF C4 H4 O4

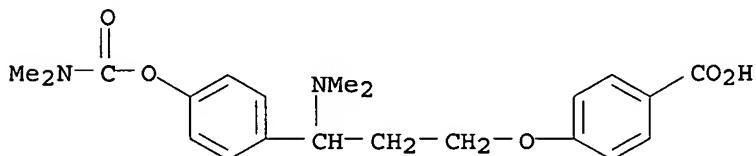
Double bond geometry as shown.



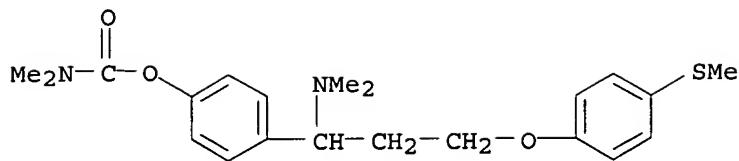
RN 444645-60-7 CAPLUS
CN Benzoic acid, 4-[3-[4-[(dimethylamino)carbonyl]oxy]phenyl]-3-(methylamino)propoxy] - (9CI) (CA INDEX NAME)



RN 444645-61-8 CAPLUS
CN Benzoic acid, 4-[3-(dimethylamino)-3-[4-[(dimethylamino)carbonyl]oxy]phenyl]propoxy] - (9CI) (CA INDEX NAME)



RN 444645-70-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-[4-(methylthio)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

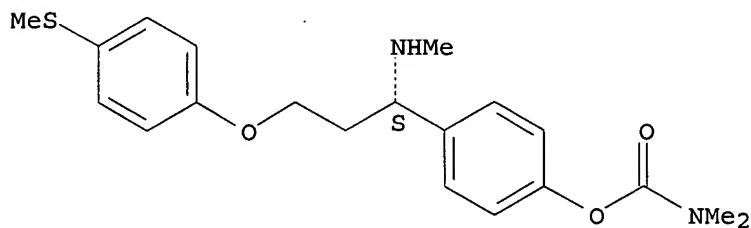


● HCl

RN 444645-71-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-[4-(methylthio)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

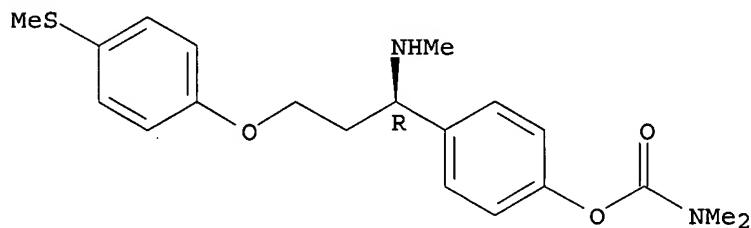


● HCl

RN 444645-72-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-[4-(methylthio)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

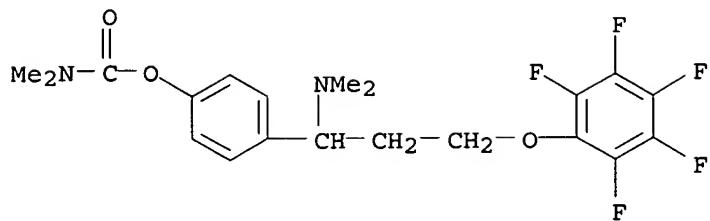
Absolute stereochemistry.



● HCl

RN 444645-76-5 CAPLUS

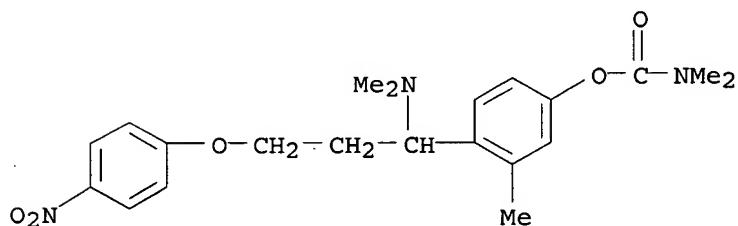
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(pentafluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-77-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-nitrophenoxy)propyl]-3-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

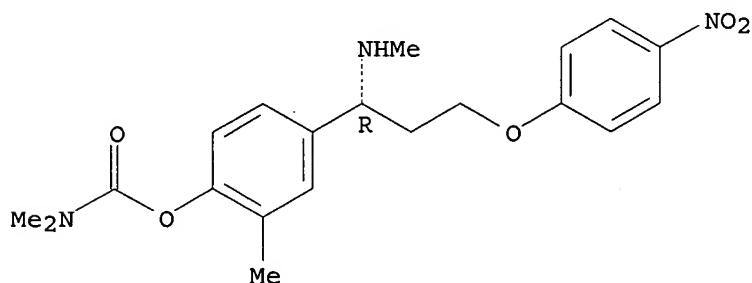


● HCl

RN 444645-79-8 CAPLUS

CN Carbamic acid, dimethyl-, 2-methyl-4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

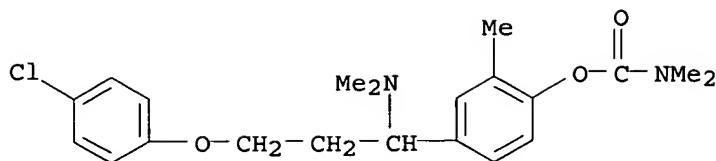
Absolute stereochemistry.



● HCl

RN 444645-80-1 CAPLUS

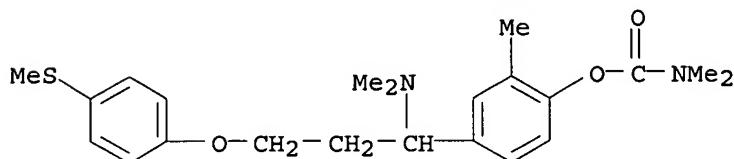
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(dimethylamino)propyl]-2-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-81-2 CAPLUS

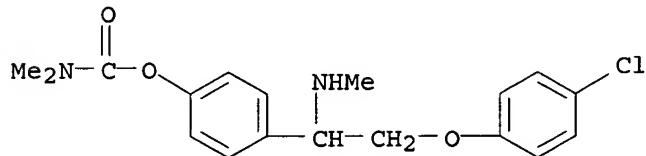
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-[4-(methylthio)phenoxy]propyl]-2-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444667-95-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[2-(4-chlorophenoxy)-1-(methylamino)ethyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444667-97-4 CAPLUS

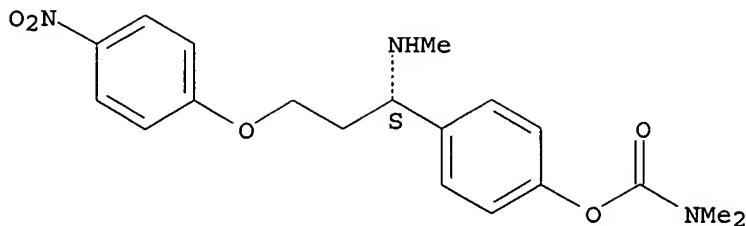
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 444667-96-3

CMF C19 H23 N3 O5

Absolute stereochemistry.

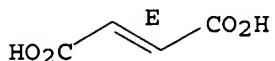


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



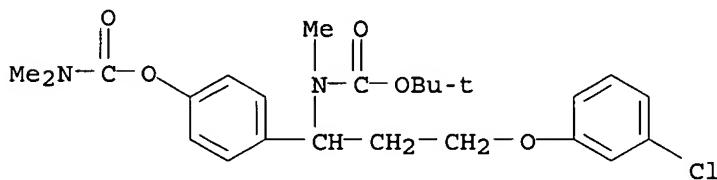
IT 444646-22-4P 444646-23-5P 444646-24-6P
 444646-25-7P 444646-26-8P 444646-29-1P
 444646-30-4P 444646-31-5P 444646-32-6P
 444646-33-7P 444646-35-9P 444646-36-0P
 444646-39-3P 444646-40-6P 444646-49-5P
 444646-82-6P 444646-83-7P 444646-84-8P
 444646-85-9P 444646-89-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of alkylcarbamic acid esters as acetylcholinesterase inhibitor)

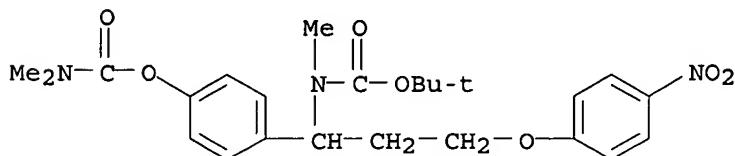
RN 444646-22-4 CAPLUS

CN Carbamic acid, [3-(3-chlorophenoxy)-1-[4-[(dimethylamino)carbonyl]oxy]phenyl]propylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-23-5 CAPLUS

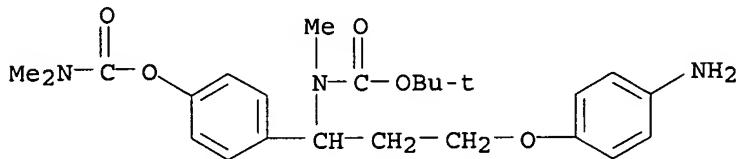
CN Carbamic acid, dimethyl-, 4-[1-[(1,1-dimethylethoxy)carbonyl]methylamino]-3-(4-nitrophenoxy)propylphenyl ester (9CI) (CA INDEX NAME)



RN 444646-24-6 CAPLUS

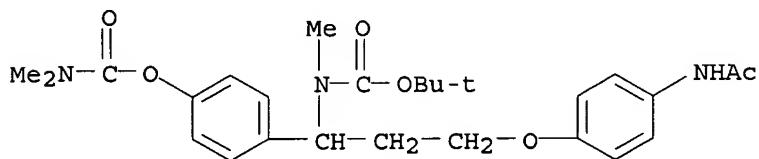
10/629,108

CN Carbamic acid, [3- (4-aminophenoxy)-1-[4-[(dimethylamino)carbonyl]oxy]phenyl]propylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



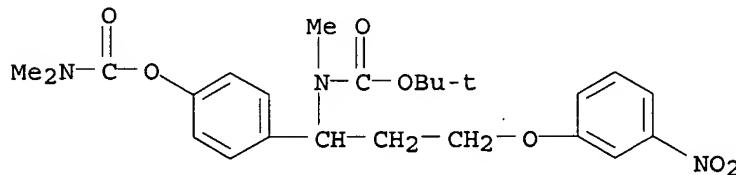
RN 444646-25-7 CAPLUS

CN Carbamic acid, [3-[4-(acetylamino)phenoxy]-1-[4-[(dimethylamino)carbonyl]oxy]phenyl]propylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-26-8 CAPLUS

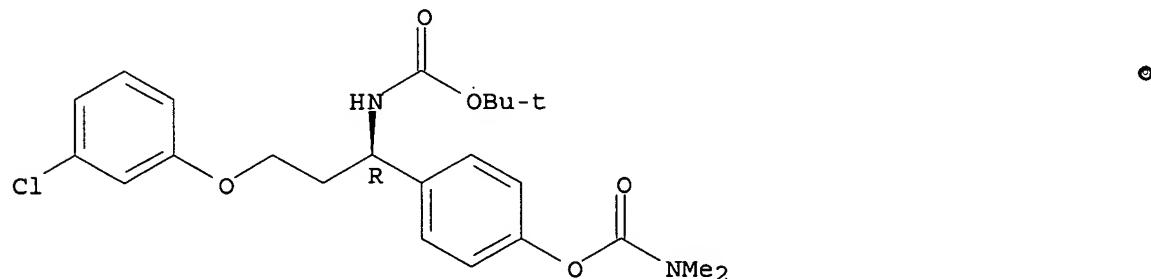
CN Carbamic acid, dimethyl-, 4-[1-[(1,1-dimethylethoxy)carbonyl]methylamino]-3-(3-nitrophenoxy)propylphenyl ester (9CI) (CA INDEX NAME)



RN 444646-29-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(3-chlorophenoxy)-1-[(1,1-dimethylethoxy)carbonyl]amino]propylphenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

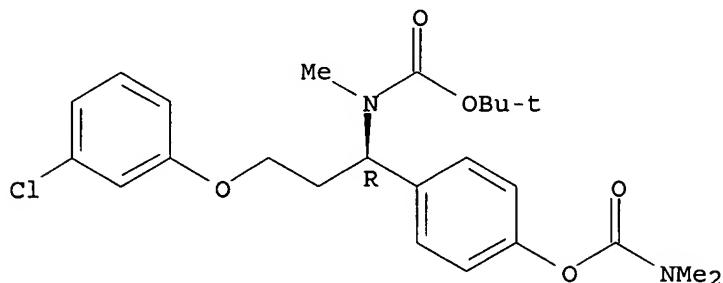


RN 444646-30-4 CAPLUS

CN Carbamic acid, [(1R)-3-(3-chlorophenoxy)-1-[4-

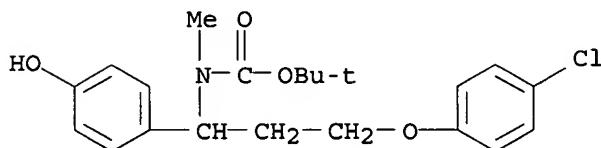
[(dimethylamino)carbonyl]oxyphenylpropylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



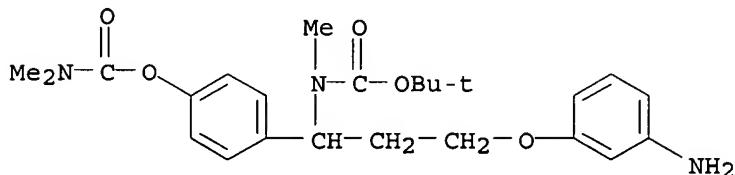
RN 444646-31-5 CAPLUS

CN Carbamic acid, [3-(4-chlorophenoxy)-1-(4-hydroxyphenyl)propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



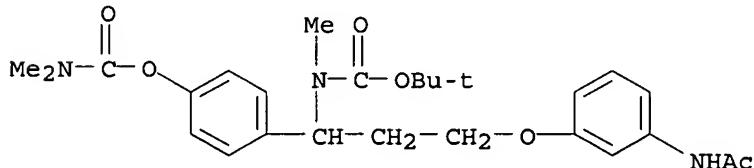
RN 444646-32-6 CAPLUS

CN Carbamic acid, [3-(3-aminophenoxy)-1-[4-[(dimethylamino)carbonyl]oxy]phenylpropyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



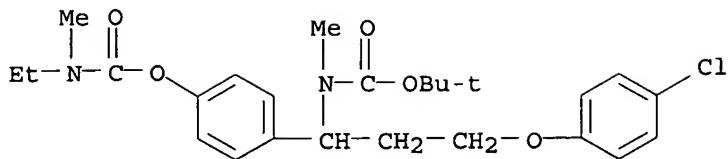
RN 444646-33-7 CAPLUS

CN Carbamic acid, [3-[3-(acetylamino)phenoxy]-1-[4-[(dimethylamino)carbonyl]oxy]phenylpropyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



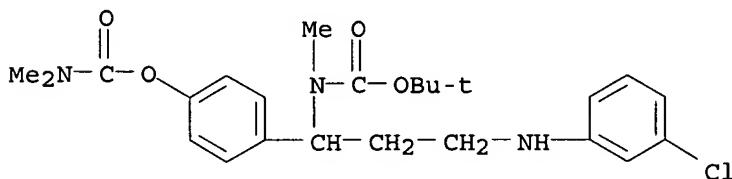
RN 444646-35-9 CAPLUS

CN Carbamic acid, [3-(4-chlorophenoxy)-1-[4-[(ethylmethylamino)carbonyl]oxy]phenylpropyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-36-0 CAPLUS

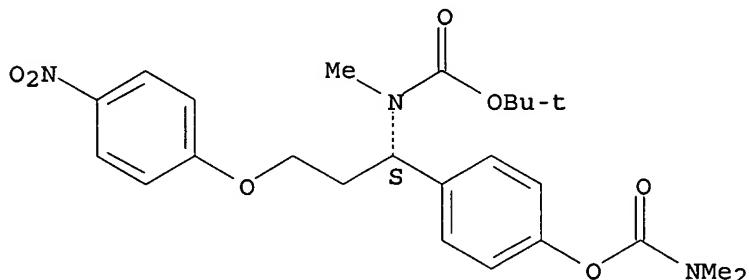
CN Carbamic acid, [3-[(3-chlorophenyl)amino]-1-[4-[(dimethylamino)carbonyl]oxy]phenyl]propylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-39-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-[(1,1-dimethylethoxy)carbonyl]methylamino]-3-(4-nitrophenoxy)propylphenyl ester (9CI) (CA INDEX NAME)

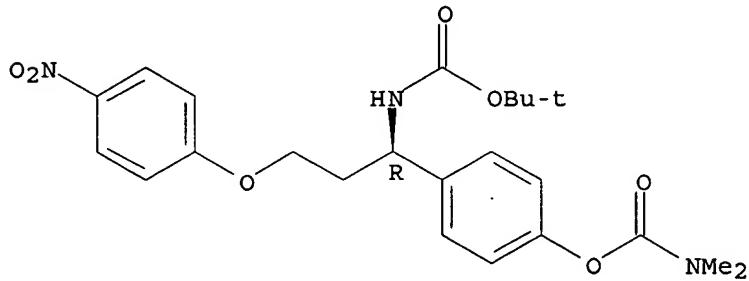
Absolute stereochemistry. Rotation (-).



RN 444646-40-6 CAPLUS

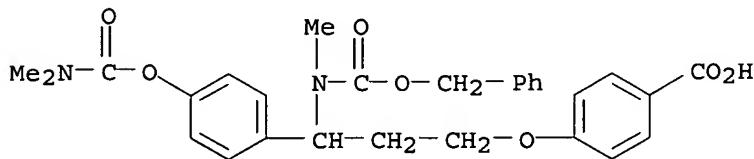
CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propylphenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 444646-49-5 CAPLUS

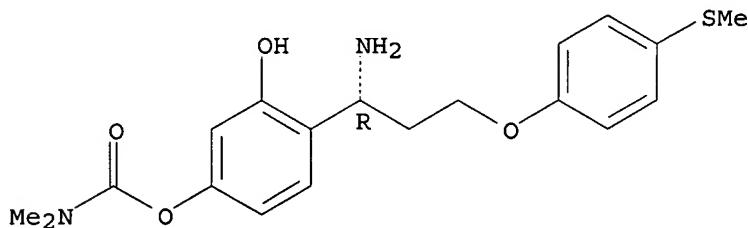
CN Benzoic acid, 4-[3-[4-[(dimethylamino)carbonyl]oxy]phenyl]-3-[methyl[(phenylmethoxy)carbonyl]amino]propoxy]-(9CI) (CA INDEX NAME)



RN 444646-82-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-amino-3-[4-(methylthio)phenoxy]propyl]-3-hydroxyphenyl ester (9CI) (CA INDEX NAME)

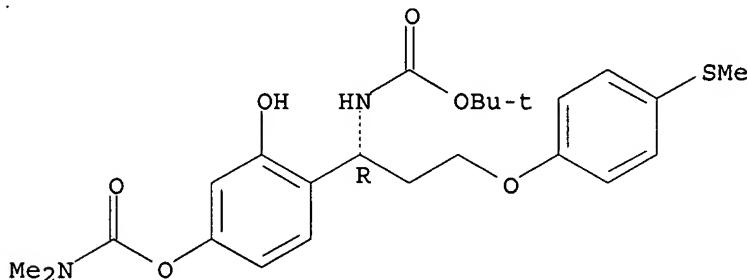
Absolute stereochemistry.



RN 444646-83-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-[4-(methylthio)phenoxy]propyl-3-hydroxyphenyl ester (9CI) (CA INDEX NAME)

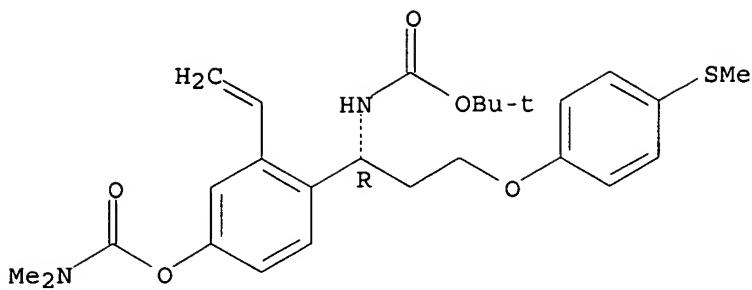
Absolute stereochemistry.



RN 444646-84-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-[4-(methylthio)phenoxy]propyl-3-ethenylphenyl ester (9CI) (CA INDEX NAME)

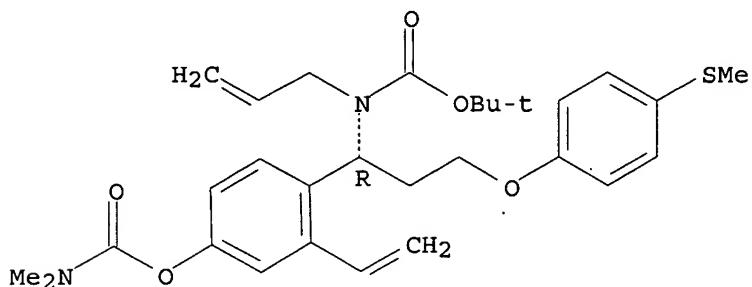
Absolute stereochemistry.



RN 444646-85-9 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]-2-propenylamino]-3-[4-(methylthio)phenoxy]propyl-3-ethenylphenyl ester (9CI) (CA INDEX NAME)

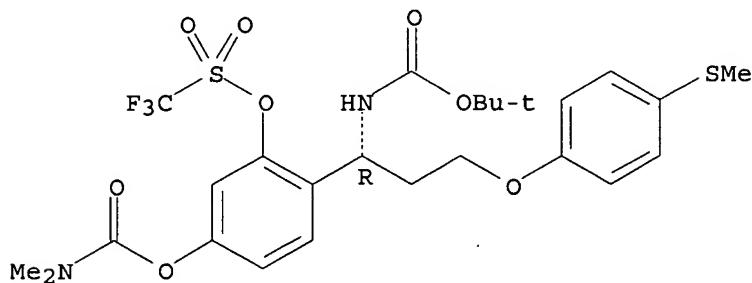
Absolute stereochemistry.



RN 444646-89-3 CAPLUS

CN Methanesulfonic acid, trifluoro-, 5-[(dimethylamino)carbonyloxy]-2-[(1R)-1-[(1,1-dimethylethoxy)carbonyl]amino]-3-[4-(methylthio)phenoxy]propylphenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. [I; R1 = C1-6 alkyl; R2, R3 independently = H, alkyl; Ra = C1-6 alkyl, H; Q = aryl; A = C1-6 alkylene; E = single bond, oxygen,

10/629,108

sulfur; X1, X2 independently = oxygen, sulfur], stereoisomers, a pharmacol. acceptable salt, or ester are prepared and are in vitro tested for acetylcholinesterase inhibition effects. The title compound II·HCl was prepared from dimethylcarbamic acid chloride, 1-(3-hydroxyphenyl)ethanone, 4-(trifluoromethyl)benzaldehyde, and methylamine via condensation reaction. The title compound III·HCl showed acetylcholinesterase inhibition at IC50(nM) = 19 and serotonin reuptake inhibition at IC50(nM) = 6.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	437.87	600.27
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-64.24	-64.24

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